



San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

FEB 16 2010

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

**Re: Final - Authority to Construct / Certificate of Conformity (Minor Mod)
Project # N1093498**

Dear Mr. Rios:

The Air Pollution Control Officer has issued an Authority to Construct (N-770-7-8) with a Certificate of Conformity to Ripon Gogen, LLC. Ripon Cogen, LLC, proposes to designate permit unit N-770-7 as a dormant emissions unit (DEU).

Enclosed are copies of the Authority to Construct. The application and proposal were sent to US EPA Region IX on December 24, 2009. No comments were received following the District's preliminary decision on this project.

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

Sincerely,

David Warner
Director of Permit Services

DW: RD/cm

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
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Southern Region

34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: (661) 392-5500 FAX: (661) 392-5585



San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

FEB 16 2010

Ms. Paulette Heuer
Ripon Gogen, LLC
944 S Stockton Ave
Ripon, CA 95366-1612

**Re: Final - Authority to Construct / Certificate of Conformity (Minor Mod)
Project # N1093498**

Dear Ms. Heuer:

The Air Pollution Control Officer has issued an Authority to Construct (N-770-7-8) with a Certificate of Conformity to Ripon Gogen, LLC. Ripon Gogen, LLC, proposes to designate permit unit N-770-7 as a dormant emissions unit (DEU).

Enclosed is the Authority to Construct and invoice. The application and proposal were sent to US EPA Region IX on December 24, 2009. No comments were received following the District's preliminary decision on this project.

Prior to operating with modifications authorized by the Authority to Construct, you must submit an application to modify the Title V permit as an administrative amendment in accordance with District Rule 2520, Section 11.5.

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

Sincerely,

David Warner
Director of Permit Services

DW: RD/cm

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AUTHORITY TO CONSTRUCT

PERMIT NO: N-770-7-8

ISSUANCE DATE: 02/10/2010

LEGAL OWNER OR OPERATOR: RIPON COGENERATION LLC

MAILING ADDRESS: 944 S STOCKTON AVE
RIPON, CA 95366

LOCATION: 944 S STOCKTON AVE
RIPON, CA 95366

EQUIPMENT DESCRIPTION:

MODIFICATION OF THE 94 MMBTU/HR HOLMAN BOILER MODEL #WT9609-1004 GP WITH A NATCOM ULTRA LOW NOX HYPER-MIX BURNER AND A FLUE GAS RECIRCULATION SYSTEM (LOAD-FOLLOWING BOILER) TO DESIGNATE THE UNIT AS A DORMANT EMISSION UNIT.

CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District NSR Rule] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. No modifications to this unit shall be performed without an Authority to Construct for such modifications, except for changes specified in the conditions below. [District Rule 2010] Federally Enforceable Through Title V Permit
4. The fuel supply line shall be physically disconnected from this unit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
5. The fuel flow meter reading shall not exceed 1097036 cubic feet. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
6. This boiler shall not be operated for any reason until an Authority to Construct permit is issued approving all necessary retrofits required to comply with the applicable requirements of District Rule 4320 and all other applicable District regulations. [District Rule 4320]

CONDITIONS CONTINUE ON NEXT PAGE

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

Seyed Sadredin, Executive Director / APCO


DAVID WARNER, Director of Permit Services

N-770-7-8 : Feb 10 2010 8:38AM - DYERR : Joint Inspection NOT Required

7. The boiler's testing and monitoring requirements shall not be applicable during the time period the boiler is designated as a dormant emissions unit. [District Rules 4305, 4306, and 4320]
8. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
9. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
10. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% CO₂). [District Rules 4201, 3.0; and 4301, 5.1] Federally Enforceable Through Title V Permit
11. The boiler shall be fired only on natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
12. The NO_x emissions concentration shall not exceed 15 ppmv, dry, corrected to 3% oxygen (O₂) or 0.018 pounds per MMBtu. [District NSR Rule, District Rule 4305, 5.1.1, and 4306, 5.1.1] Federally Enforceable Through Title V Permit
13. The CO emissions concentration shall not exceed 280 ppmv, dry, corrected to 3% oxygen (O₂). [District NSR Rule, District Rule 4305, 5.1.1, and 4306, 5.1.1] Federally Enforceable Through Title V Permit
14. The VOC emissions rate shall not exceed 0.0055 lb/MMBtu. [District Rules 2201] Federally Enforceable Through Title V Permit
15. The PM₁₀ emissions rate shall not exceed 0.0076 lb/MMBtu. [District Rules 2201] Federally Enforceable Through Title V Permit
16. The SO_x emissions rate shall not exceed 0.00285 lb/MMBtu. [District Rules 2201] Federally Enforceable Through Title V Permit
17. Performance testing for NO_x and CO emissions shall be conducted annually using the following test methods: EPA Method 7E (or ARB Method 100) for NO_x (ppmv), EPA Method 10 (or ARB Method 100) for CO, EPA Method 3 or 3A (or ARB Method 100) for stack gas oxygen, EPA Method 2 for stack gas velocity, and EPA Method 4 for stack gas moisture content. [District Rules 4305, 6.2 & 6.3; 4306, 6.2 & 6.3; and 2520, 9.4.2] Federally Enforceable Through Title V Permit
18. The unit may be tested once every 36 months, if the performance testing shows compliance for two consecutive years. If a performance test shows noncompliance with any of the requirements, the source shall return to annual performance testing until compliance is again shown for two consecutive years. [District Rules 4305, 6.3; 4306, 6.3; and 2520, 9.4.2] Federally Enforceable Through Title V Permit
19. The stack height shall be adequate for stack sampling pursuant to EPA reference methods for performance testing and shall meet all the requirements of District Rule 1081. [District Rule 1081, 3.2] Federally Enforceable Through Title V Permit
20. The District must be notified 30 days prior to any performance testing and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
21. Performance testing shall be witnessed or authorized by District personnel. Test results must be submitted to the District within 60 day of performance testing. [District Rules 1081, 7.2, 7.3] Federally Enforceable Through Title V Permit
22. If the boiler is fired on PUC-regulated natural gas, then the operator shall maintain copies of natural gas bills. [District Rule 2520, 9.4.2 and 40 CFR 60.40c - 48c] Federally Enforceable Through Title V Permit
23. If the boiler is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the boiler shall be calculated using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
24. If the boiler is not fired on PUC-regulated natural gas, then the sulfur content of each fuel source shall be less than 0.0062% by weight, tested weekly except that if the fuel sulfur content requirement has been met for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a quarterly test does not meet the sulfur content requirement, the source must return to weekly testing until eight consecutive weekly tests meet the sulfur content requirement. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

25. The stack concentration of NO_x (as NO₂), CO, and O₂ shall be measured and recorded at least on a monthly basis using an ECOM Model AC portable emission analyzer, or other District approved portable emission analyzer. [District Rules 4305; 4306, 5.4; and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
26. The permittee shall maintain records of the date and time of NO_x, CO, and O₂ measurements, the measured NO₂ and CO concentrations corrected to 3% O₂, and the O₂ concentration. The records must also include a description of any corrective action taken to maintain the emissions within the acceptable range. These records shall be retained at the facility for a period of no less than five years and shall be made available for District inspection upon request. [District Rules 4305; 4306, 5.4; and 2520, 9.5.2] Federally Enforceable Through Title V Permit
27. If the NO_x or CO concentrations, as measured by the ECOM Model AC, or other District approved portable emissions analyzer, exceed the allowable emissions rate, the permittee shall notify the District and take corrective action within one hour after detection. If the portable analyzer readings continue to exceed the allowable emissions rate, the permittee shall conduct an emissions test within 60 days, utilizing District-approved test methods, to demonstrate compliance with the applicable emissions limits. [District Rules 4305; 4306, 5.4; and 2520, 9.4.2] Federally Enforceable Through Title V Permit
28. The portable emissions analyzer shall be calibrated as recommended by the manufacturer. All instrument calibration data shall be kept on file including the date of calibration. The calibration date shall not exceed 6 months prior to the date the stack concentrations are measured and recorded. [District Rules 4305; 4306, 5.4; and 2520, 9.4.2] Federally Enforceable Through Title V Permit
29. Concentration measurements shall not be taken until the sample acquisition probe has been exposed to the stack gas for at least 150% of the response time. Measurements shall be taken in triplicate. [District Rules 4305, 2520, 9.4.2, and 4306, 5.4] Federally Enforceable Through Title V Permit
30. If water vapor is not removed prior to measurement, the absolute humidity in the gas stream must be determined so that the gas concentrations may be reported on a dry basis. [District Rules 4305 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
31. If water vapor creates an interference with the measurement of any component, then the water vapor must be removed from the gas stream prior to concentration measurements. [District Rules 4305 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
32. The source test plan shall identify which basis (ppmvd or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 5.5.1 and 4306, 5.5] Federally Enforceable Through Title V Permit
33. 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, 5.5.2; and 4306, 5.5.2] Federally Enforceable Through Title V Permit
34. 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 readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 5.5.4; and 4306, 5.5.4] Federally Enforceable Through Title V Permit
35. 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, 5.5.5; and 4306, 5.5.5] Federally Enforceable Through Title V Permit
36. 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, 6.1; and 4306, 6.1] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

37. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: SJVUAPCD Rules 4201, 4301, & 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit