



NOV 16 2009

Benjamin J. Hall
Musco Olive Products
17950 Via Nicolo
Tracy, CA 95376

RE: Notice of Final Action - Authority to Construct
Project Number: N-1083593

Dear Mr. Hall:

The Air Pollution Control Officer has issued Authority to Construct permits to Musco Olive Products for installation of a biomass-fired bubbling bed combustor, at 17950 Via Nicolo in Tracy, California.

Enclosed are copies of the Authority to Construct permits and a copy of the notice of final action to be published approximately three days from the date of this letter.

Notice of the District's preliminary decision to issue this Authority to Construct was published on October 1, 2009. The District's analysis of the proposal was also sent to CARB on October 2, 2009. No comments were received following the District's preliminary decision on this project.

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

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:FGD/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
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



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Mike Tollstrup, Chief
Project Assessment Branch
Stationary Source Division
California Air Resources Board
PO Box 2815
Sacramento, CA 95812-2815

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AUTHORITY TO CONSTRUCT

PERMIT NO: N-1145-7-0

ISSUANCE DATE: 11/10/2009

LEGAL OWNER OR OPERATOR: MUSCO OLIVE PRODUCTS
MAILING ADDRESS: 17950 VIA NICOLO
TRACY, CA 95376

LOCATION: 17950 VIA NICOLO
TRACY, CA 95376

EQUIPMENT DESCRIPTION:

3 MW ELECTRICAL GENERATING SYSTEM WITH A 25 MMBTU/HR COMBINED SOLAR TECHNOLOGIES MODEL STEAMBOY BIOMASS-FIRED FLUIDIZED BED COMBUSTOR SERVED BY A DONALDSON MODEL DFO 3-24 BAGHOUSE AND A SELECTIVE CATALYTIC REDUCTION SYSTEM WITH A CATALYST PARTICULATE MATTER CONTROL SYSTEM, AND MULTIPLE PERMIT EXEMPT BOILERS (UNFIRED HEAT RECOVERY BOILERS)

CONDITIONS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. 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]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
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]
5. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
6. Visible emissions from the baghouse serving the combustor shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201]
7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
8. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201]

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-1145-7-0 Nov 10 2009 3:17PM - DEMARISF - Joint Inspection Required with DEMARISF

9. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
10. Ammonia slip from the biomass-fired combustor shall not exceed 10 ppmvd @ 3% O₂. [District Rules 2201 and 4102]
11. Emissions from the biomass-fired combustor shall not exceed any of the following: 17.5 ppmv NO_x @ 3% O₂, 23 ppmv SO_x @ 3% O₂, 183 ppmv CO @ 3% O₂, 0.045 lb-PM₁₀/MMBtu, and 0.02 lb-VOC/MMBtu. [District Rule 2201]
12. The permittee shall monitor and record the stack concentration of NO_x, CO, NH₃ and O₂ at least once during each month in which source testing is not performed. NO_x, CO and O₂ monitoring shall be conducted utilizing a portable analyzer that meets District specifications. 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 it has been performed within the last month. [District Rules 2201 and 4102]
13. 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 compliant levels 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 that is subject to enforcement action has occurred. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 2201 and 4102]
14. All NO_x, CO, O₂ and ammonia emission readings shall be taken with the unit operating at conditions representative of normal operation or under the 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. Analyzer 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 2201 and 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 Rules 2201 and 4102]
16. 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 2201 and 4102]
17. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081]
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]
19. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
20. This unit shall be tested for compliance with the NO_x, CO, PM₁₀, SO_x, and NH₃ emissions limits within 60 days of initial startup and at least once every 12 months thereafter. [District Rule 2201]
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. NO_x emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rule 2201]
22. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

23. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. CO emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rule 2201]
24. PM10 emissions for source test purposes shall be determined using EPA Methods 201A, 202, and 19. [District Rule 2201]
25. Stack gas oxygen shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 2201]
26. SOx emissions for source test purposes shall be determined using EPA Method 6 or ARB Method 100. [District Rule 2201]
27. Source testing for ammonia slip shall be conducted utilizing BAAQMD Method ST-1B. [District Rule 1081]
28. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. Monitoring shall be conducted while the baghouse is operating. [District Rule 2201]
29. Permittee shall maintain, on a monthly basis, an operating log that includes: 1) The type and quantity of each category of fuel received, 2) The HHV of each category of fuel received, 3) Actual combustor operating time, in hours, and 4) The average hourly heat input to the combustor. [District Rules 2201 and 4352]
30. Biomass fuel shall include the following categories: olive pits, chipped untreated and uncontaminated wood, almond hulls, grape seeds, and other biomass categories approved in writing by the District. [District Rules 2201 and 4352]
31. Solid fuel HHV shall be determined by ASTM Method D 2015 or ASTM Method E 711. [District Rule 4352]
32. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
33. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 2201 and 4352]