



JAN 20 2010

Mr. Roger Allred  
Mt. Poso Cogeneration Company  
P.O. Box 81256  
Bakersfield, CA 93380-1256

**Re: Notice of Final Decision - ATC / Certificate of Conformity  
Facility # S-91  
Project # S-1091829**

Dear Mr. Allred:

The Air Pollution Control Officer has issued Authority to Construct permits to Mt. Poso Cogeneration Company for its cogeneration plant at 36157 Famoso road in Bakersfield, California. Mt. Poso proposed to install a new biomass fuel receiving and storage yard and modify the existing combustor by limiting the SOx emissions.

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 with Certificate of Conformity was published on November 5, 2009. The District's analysis of the proposal was also sent to US EPA Region IX on November 5, 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. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

Sincerely,

David Warner  
Director of Permit Services

DW: KR/cm

Enclosures

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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**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



JAN 20 2010

Mike Tollstrup, Chief  
Project Assessment Branch  
Air Resources Board  
P O Box 2815  
Sacramento, CA 95812-2815

**Re: Notice of Final Decision - ATC / Certificate of Conformity  
Facility # S-91  
Project # S-1091829**

Dear Mr. Tollstrup:

The Air Pollution Control Officer has issued Authority to Construct permits to Mt. Poso Cogeneration Company for its cogeneration plant at 36157 Famoso road in Bakersfield, California. Mt. Poso proposed to install a new biomass fuel receiving and storage yard and modify the existing combustor by limiting the SOx emissions.

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 with Certificate of Conformity was published on November 5, 2009. The District's analysis of the proposal was also sent to US EPA Region IX on November 5, 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. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

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**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT



**HEALTHY AIR LIVING™**

JAN 20 2010

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

**Re: Notice of Final Decision - ATC / Certificate of Conformity  
Facility # S-91  
Project # S-1091829**

Dear Mr. Rios:

The Air Pollution Control Officer has issued Authority to Construct permits to Mt. Poso Cogeneration Company for its cogeneration plant at 36157 Famoso road in Bakersfield, California. Mt. Poso proposed to install a new biomass fuel receiving and storage yard and modify the existing combustor by limiting the SOx emissions.

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 with Certificate of Conformity was published on November 5, 2009. The District's analysis of the proposal was also sent to CARB on November 5, 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. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

Thank you for your cooperation in this matter.

Sincerely,

David Warner  
Director of Permit Services

DW: KR/cm

Enclosures

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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

Date	January 19, 2010
Preliminary Notice Date	November 5, 2009
Engineer Name	Kristopher Rickards
Engineer's Regional Manager	Leonard Scandura
Facility Name	Mt. Poso Cogeneration Company
Facility #	S-91
Project #	S-1091829
Operation Type (gas plant, heavy oil facility, etc)	cogeneration plant
Location	at 36157 Famoso road in Bakersfield
	The following should make sense:  This is for its cogeneration plant at 36157 Famoso road in Bakersfield, California.
ATC's with COC (i.e. ATC # S-1234-3-2)	S-91-3-14, '-10-0, '-11-0
More than 1 ATC?	Yes
Is there a current Title V permit for the units involved with this project?	Yes
Current Title V Permit (i.e. PTO # S-1234-3-1)	ATC S-91-3-12
Modification Details (Complete Sentences)	Mt. Poso proposed to install a new biomass fuel receiving and storage yard and modify the existing combustor by limiting the SOx emissions.
Contact Receiving Proposed	Mr. Roger Allred
Mailing Address	P.O. Box 81256 Bakersfield, CA 93380-1256
Newspaper	Bakersfield Californian

Bakersfield Californian

**NOTICE OF FINAL DECISION  
FOR THE ISSUANCE OF AUTHORITY  
TO CONSTRUCT PERMITS**

NOTICE IS HEREBY GIVEN that the Air Pollution Control Officer has issued Authority to Construct permits to Mt. Poso Cogeneration Company for its cogeneration plant at 36157 Famoso road in Bakersfield, California. Mt. Poso proposed to install a new biomass fuel receiving and storage yard and modify the existing combustor by limiting the SOx emissions.

No comments were received following the District's preliminary decision on this project.

The application review for Project #S-1091829, is available for public inspection at [http://www.valleyair.org/notices/public\\_notices\\_idx.htm](http://www.valleyair.org/notices/public_notices_idx.htm) and the District office at the address below. **SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CA 93726-0244.**



## AUTHORITY TO CONSTRUCT

**PERMIT NO:** S-91-3-14

**ISSUANCE DATE:** 01/19/2010

**LEGAL OWNER OR OPERATOR:** MT POSO COGENERATION COMPANY  
**MAILING ADDRESS:** PO BOX 81256  
BAKERSFIELD, CA 93380-1256

**LOCATION:** HEAVY OIL CENTRAL  
CA

**SECTION:** 18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF 49.9 MW COAL/PETROLEUM COKE/BIOMASS AND TIRE DERIVED FUEL (TDF) FIRED ATMOSPHERIC CIRCULATING FLUIDIZED BED COMBUSTOR COGENERATION POWER PLANT: INCLUDE LIME CAKE INJECTION FOR SOX CONTROL AND LOWER SOX EMISSION RATE


## 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. Biomass introduced into the combustor shall not contain more than 2% by weight non-biomass material (plastics, metal, painted and preservative-treated wood, roofing material, fiberglass, etc.). [District Rule 4102]
4. At least once per quarter, operator shall collect a representative sample of the biomass material combusted and determine the weight percent of non-biomass material contained in that sample. Prior to collecting the first quarterly sample, operator shall submit a sampling plan to the District's compliance division for approval and shall follow the approved plan for all subsequent sampling, unless a revised plan is submitted and approved. [District Rules 1081 and 4102]

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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

  
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DAVID WARNER, Director of Permit Services  
S-91-3-14: Jan 19 2010 4:44PM - SCANDURL : Joint Inspection Required with RICKARDX

5. Operation shall include Ahlstrom Pyroflow atmospheric fluidized bed combustor incorporating low temperature staged combustion and ammonia injection (NOx control), and pulverized limestone/lime cake injection (SOx control). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Operation shall include enclosed gravimetric belt weigh feeder discharging to fuel feed chutes and enclosed limestone/lime cake volumetric feeder with air lock system. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Operation shall include four natural gas fired 62 MMBtu/hr Coen startup burners and two natural gas fired 23 MMBtu/hr Coen duct burners. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Operation shall include two fly ash recycle cyclones, air heater with two fly ash hoppers, economizer and ash handling system. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Operation shall include 1250 HP primary combustion air fan, 500 HP secondary combustion air fan and 150 HP multi-staged centrifugal fluidizing air blower. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Operation shall include 12 compartment fabric collector with 1750 HP induced draft fan, reverse air cleaning mechanism and 100 HP reverse air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Fabric collector shall include a minimum of 134,230 sq. ft. of filtering area, fly ash hopper, with 8 KW electric heater, d.p. transmitter, capacitance type high level detector, vibrator and aeration pad. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Fly ash collected at fabric collector shall be discharged only to fly ash handling system. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Ash shall only be removed from combustion system by means authorized to Permit to Operate S-91-4. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Operation shall be equipped with the following indicators: combustion temperature, combustion air system pressure, primary and secondary fan air flow, ammonia injection flow, fuel use rate and limestone use rate. The permittee shall operate and maintain instrumentation to continuously monitor and record levels of combustion temperature, consumption of fuel, ammonia, and limestone in boiler. [PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
15. Operation shall be equipped with the following indicators: combustion temperature, combustion air system pressure, primary and secondary fan air flow, ammonia injection flow, fuel use rate and limestone/lime cake use rate. The permittee shall operate and maintain instrumentation to continuously monitor and record levels of combustion temperature, consumption of fuel, ammonia, and limestone/lime cake in boiler. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Each fabric collector compartment shall be equipped with access door and differential pressure indicator. The differential pressure across each compartment shall be maintained between 2" and 9.5" water column. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Fabric collector inlet shall be equipped with operational pressure indicator and high temperature alarm which activates prior to high temperature failure. The pressure shall not exceed negative 35" water column. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Fabric collector shall be equipped with automatic cleaning mechanism. [District Rule 2201] Federally Enforceable Through Title V Permit
19. All combustor exhaust gas shall pass through fabric collector prior to being emitted to atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Unit shall be operated as a low temperature combustor with a peak temperature range of 1550 to 1750 deg F. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Unit shall be operated as a staged combustion device by introducing a substoichiometric amount of combustion air into primary combustion zone. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Flue gas O2 content shall be maintained at a level (3%-5%) which shows compliance with all emission limits and which minimizes NOx emissions. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

23. There shall be no provisions for introduction of air into combustion system or exhaust system downstream of the combustion chamber except for air utilized for cyclone center pipe supports and cooling. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Combustor shall be fired only on natural gas, coal, petroleum coke, biomass, tire derived fuel (TDF) or combinations thereof as allowed for by this permit. [PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
25. The sum of the combined coal, coke, and tire derived fuel throughput and 1/2 times the throughput of biomass introduced into the combustor shall not exceed 1,400,000 lbs/day and 58,333 lbs/hr (on a dry basis). Solid fuel introduced into the combustor shall contain no more than 4.0% by weight sulfur. [District Rule 2201 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
26. Of the total fuel introduced into the combustor, no more than 154,000 lbs per day (on a dry basis) shall be TDF. [District Rule 2201] Federally Enforceable Through Title V Permit
27. "Biomass" means any organic material not derived from fossil fuels, such as agricultural crop residue, orchard prunings and removal, stone fruit pits, nut shells, cotton gin trash, cotton stalks, vineyard prunings, cull logs, eucalyptus logs, bark, lawn, yard and garden clippings, leaves, silvicultural residue, tree and brush pruning, wood and wood chips, and wood waste. Biomass does not include material containing sewage sludge or industrial, hazardous, radioactive or municipal solid waste. [District Rules 2201 and Rule 4102] Federally Enforceable Through Title V Permit
28. Wood waste includes clean, chipped wood products, plywood, wood products manufacturing wood materials, construction and demolition wood materials, and wood pallets, crates and boxes. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
29. Limestone/lime cake shall be introduced into combustor at a rate sufficient to maintain a minimum Ca/S molar ratio of 3. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Ammonia breakthrough shall not result in ground level odors and exhaust stack concentrations, except during periods of start-up/shutdown, shall not exceed 20.0 ppmv based on three hour rolling average. [District Rule 2201] Federally Enforceable Through Title V Permit
31. Emissions rates from boiler exhaust shall not exceed the following: PM10: 190.0 lb/day, VOC: 149.9 lb/day, NOx (as NO2): 1406.4 lb/day nor 463,084 lbs/yr, SOx (as SO2): 699.4 lb/day nor 118,113 lb/yr, or CO: 1207.2 lb/day nor 371,312 lb/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
32. Emission rate of PM-10 shall not exceed 7.92 lb/hr and 0.012 lb/MMBtu. Particulate Matter (PM) emissions shall not exceed 0.01 gr/dscf @ 12% CO2. [District Rule 2201 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
33. Emission rate of SOx (as SO2) shall not exceed 25.0 lb/hr, based on three hour rolling average. [District Rule 2201 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
34. SOx emissions (as SO2) shall not exceed 0.04 lb/MMBtu, based on a three hour rolling average, during any period in which the power output exceeds 40 MW. [District Rules 2201 and 4801 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
35. Emission rate of oxides of nitrogen as NO2 shall not exceed 58.60 lb/hr, based on three hour rolling average. [District Rule 2201 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
36. NOx emissions shall not exceed 115 ppmv at any time, except during startup and shutdown (as defined in Rule 4352), based on a 24 hour averaging period. [District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
37. NOx emissions shall not exceed 0.092 lb/MMBtu, based on a three hour rolling average, during any period in which the power output exceeds 40 MW. [District Rule 2201 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
38. Emission rate of volatile organic compounds shall not exceed 6.25 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
39. Emission rate of carbon monoxide shall not exceed 50.30 lb/hr based on three hour rolling average. [District Rule 2201 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE



40. Except during periods of startup and shutdown (as defined in Rule 4352) the emission rate of carbon monoxide shall not exceed 183 ppmv @ 3% O<sub>2</sub>. Compliance with the carbon monoxide emission limit shall be based on a block 24 hour average. [District Rules 2201 and 4352] Federally Enforceable Through Title V Permit
41. The main exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples using approved EPA test methods. [District Rule 1081, 3.0] Federally Enforceable Through Title V Permit
42. Performance testing at maximum operating capacity shall be conducted annually for NO<sub>x</sub>, SO<sub>x</sub>, CO, PM-10, PM, and VOCs at the maximum operating capacity using following test methods; for NO<sub>x</sub> EPA Methods 1-4 and 7 or ARB Method 100; for SO<sub>x</sub> EPA Methods 1-4 and 6 or ARB Method 100; for CO EPA Method 1-4 and 10 or ARB Method 100; for PM(10) EPA Method 201A in combination with EPA Method 202; for PM EPA Methods 1-4 and 5; and for VOCs EPA Method 25 or 18. [District Rule 4352, 6.4; District Rule 2520, 9.4.2; PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
43. The District and EPA 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 & PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
44. Performance testing shall be witnessed or authorized District personnel and EPA. Test results must be submitted to the District within 60 day of performance testing. [District Rule 1081, 7.2, 7.3 & PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
45. Permittee shall report the following emission exceedences to the District: SO<sub>2</sub>, NO<sub>x</sub>, and CO hourly emission rates on a three hour rolling average and daily emissions limitations. Excess emissions shall be defined as any consecutive 3-hour period during which the average emissions for CO, SO<sub>2</sub>, and NO<sub>x</sub> as measured by continuous monitoring system, exceeds the mass or concentration limit set for each pollutant. [District Rule 2201 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
46. At the time of performance testing fuel being burned shall be tested for sulfur, nitrogen, ash content and heating value. [District Rule 2201] Federally Enforceable Through Title V Permit
47. Operator shall operate and maintain in calibration a system which continuously measures and records control system operating parameters; elapsed time of operation; exhaust gas Opacity, NO<sub>x</sub>, SO<sub>2</sub>, CO, and NH<sub>3</sub> concentrations. [District Rule 2201; District Rule 1080, 4.0; & PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
48. The continuous emissions monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix B; 40 CFR 60, Appendix F; and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. [District Rule 1080, 6.5 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
49. Operator shall operate and maintain in calibration a system which continuously measures and records stack gas volumetric flow rates meeting the performance specifications of 40 CFR Part 52, Appendix E. [PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
50. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080, 7.2] Federally Enforceable Through Title V Permit
51. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of any CEMs that have been installed pursuant to District Rule 1080, and emission measurements. [District Rule 1080, 7.3 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
52. Permittee shall submit a CEMs written report for each calendar quarter to the District and to EPA. The report is due on the 30th day following the end of the calendar quarter. [District Rule 1080, 8.0 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

53. Quarterly report shall include: time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rule 2520, 9.6.1; Rule 1080, 8.0; and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
54. Any violation of emission standards, as indicated by the CEM, shall be reported by the operator to the APCO within 96 hours. [District Rule 1080, 9.0] Federally Enforceable Through Title V Permit
55. Operator shall notify the District no later than one hour after the detection of a breakdown of the CEM. The operator shall inform the District of the intent to shut down the CEM at least 24 hours prior to the event. [District Rules 1080 and 1100] Federally Enforceable Through Title V Permit
56. Permittee shall maintain an operating log containing type and quantity of fuel used and higher heating value of such fuels on daily basis. [District Rule 2520, 9.4.2; District Rule 4352, 6.2] Federally Enforceable Through Title V Permit
57. Sulfur content of each type of fuel shall be measured and recorded at least every calendar quarter using current ASTM Methods or shall be certified by supplier for each shipment. [District Rule 2520, 9.3.2 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
58. The differential pressure across each compartment of the fabric collectors shall be checked and the results recorded quarterly. If the differential pressure across each compartment of the fabric collectors is not between 2" and 9.5" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
59. The pressure at the fabric collector inlet shall be checked and the results recorded quarterly. If the pressure at the fabric collector inlet is greater than negative 35" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
60. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
61. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
62. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
63. Permittee shall maintain monthly records of NO<sub>x</sub>, SO<sub>x</sub>, and CO to ensure that emissions limits on an annual rolling average are met. [District Rule 2201] Federally Enforceable Through Title V Permit
64. Authority to Construct (ATC) S-91-3-12 shall be implemented prior to or concurrently with this ATC [District Rule 2201]



## AUTHORITY TO CONSTRUCT

PERMIT NO: S-91-10-0

ISSUANCE DATE: 01/19/2010

**LEGAL OWNER OR OPERATOR:** MT POSO COGENERATION COMPANY  
**MAILING ADDRESS:** PO BOX 81256  
BAKERSFIELD, CA 93380-1256

**LOCATION:** HEAVY OIL CENTRAL  
CA

**EQUIPMENT DESCRIPTION:**

BIOMASS FUEL RECEIVING, CONVEYING, SCREENING AND STORAGE OPERATION, INCLUDING TWO TRUCK TIPPERS W/ HOPPERS, WALKING FLOOR UNLOADING STATIONS W/ HOPPERS, ONE HAMMER MILL (HOG), FOUR TRANSFER TOWERS, AND TWO RADIAL STACKERS ALL SERVED BY BAGHOUSE.

### 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. Authority to Construct (ATC) S-91-3-14 shall be implemented concurrently with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this ATC. Approval of the equivalent equipment shall be made in writing and only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the authorized equipment [District Rule 2010] Federally Enforceable Through Title V Permit
5. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emissions rates, equipment drawing(s) and operational characteristics/parameters [District Rule 2010] Federally Enforceable Through Title V Permit
6. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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  
S-91-10-0: Jan 19 2010 4:44PM - SCANDURL : Joint Inspection Required with RICKAROK

7. There shall be no visible emissions of 5% opacity or greater from any point in this operation including baghouse exhaust, paved road, hoppers, conveyor transfer points, scalping screen, hammermill/hog, or stacking. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
8. Fuel truck delivery road shall be cleaned at least weekly or as needed to reduce visible emissions. [District Rule 4101] Federally Enforceable Through Title V Permit
9. Bag house 1 and 2 shall operate whenever material is being received or conveyed. [District Rule 2201] Federally Enforceable Through Title V Permit
10. All dust collectors shall be equipped with a differential pressure gauge which shall not exceed 5.0 inches w.c. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Baghouse particulate matter (PM10) emissions shall not exceed 0.005 gr/dscf. [District Rules 2201 and 4201] Federally Enforceable Through Title V Permit
12. Each dust collector shall be equipped with an adjustable pulse jet cleaning system set to within manufacturers recommendations (all model CPV dust collectors manufacturer recommends turning on pulse cleaning at 4.0 inches and off at 3.5 inches w.c.): [District Rule 2201] Federally Enforceable Through Title V Permit
13. Each dust collector exhaust stack shall be equipped with adequate stack sampling provisions (ports, platform, ladder, etc.) consistent with EPA test methods pursuant to Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
14. Particulate matter collected by baghouses shall be stored in closed containers when such material is not actively being returned to the boiler via permitted conveying equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Particulate matter collected by baghouses shall be disposed of in a manner preventing entrainment in atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
16. A spare filter shall be maintained on the premises at all times for each dust collector. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Material receiving shall not exceed 3,000 tons/day nor 6 days/week. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Fuel delivery trucks shall remain covered during entire unloading operation. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Receiving hoppers shall be vented to baghouse #1. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Baghouse #1 shall consist of: filter model CPV-12 or equivalent equipped with 3,216 sq.ft. of filter area operating with an air speed not to exceed 24,000 scfm and filter model CPV-4 or equivalent equipped with 1,072 sq.ft. of filter area operating with an air speed not to exceed 8,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Operation shall include belt type magnetic separator and magnetic separator take away conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Disk type scalping screen and hammermill type hog shall both be vented to baghouse #2. [District Rule 2201] Federally Enforceable Through Title V Permit
23. All tubulators and connecting transfer towers shall be fully enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Baghouse #2 shall consist of: filter model CPV-6 or equivalent equipped with 402 sq.ft. of filter area operating with an air speed not to exceed 3,000 scfm, filter model CPV-8 or equivalent equipped with 536 sq.ft. of filter area operating with an air speed not to exceed 4,000 scfm, and filter model CPV-16 or equivalent equipped with 1,072 sq.ft. of filter area operating with an air speed not to exceed 8,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Operation shall include 2 radial stackers with telescoping spouts equipped with water spray rings. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

26. Telescoping stackers shall operate water spray rings whenever material is being stacked out and shall be maintained as close as possible to the storage pile to minimize drop distance. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
28. Emissions for this operation shall not exceed 27.5 lb-PM10/day nor 8,594 lb-PM10/year. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of types, amounts and origins (including copies of all purchase contracts and # of trucks) of fuels received shall be maintained and made readily available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Operator shall record the daily number of fuel delivery truck loads. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
31. Visible emissions from dust collectors shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
32. Visible emissions from truck tipper receiving hopper ventilation pickup points, conveyor transfer points, screens, and hog enclosures (including inlet and outlet openings) shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
33. Dust collector system shall be thoroughly inspected annually for any evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
34. Dust collector filters shall be thoroughly inspected at least annually when the unit is not in operation for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
35. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit



## AUTHORITY TO CONSTRUCT

PERMIT NO: S-91-11-0

ISSUANCE DATE: 01/19/2010

LEGAL OWNER OR OPERATOR: MT POSO COGENERATION COMPANY

MAILING ADDRESS: PO BOX 81256  
BAKERSFIELD, CA 93380-1256

LOCATION: HEAVY OIL CENTRAL  
CA

**EQUIPMENT DESCRIPTION:**

BIOMASS RECLAIM OPERATION WITH TWO RECLAIMERS, CONVEYORS, SCREEN, SCREENED FINES DISCHARGING TO TRUCK LOADOUT CONVEYOR, SCREENED FUEL CONVEYED TO COMBUSTOR FUEL BIN ALL SERVED BY BAGHOUSE.

### 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. Authority to Construct (ATC) S-91-3-14 shall be implemented concurrently with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this ATC. Approval of the equivalent equipment shall be made in writing and only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the authorized equipment [District Rule 2010] Federally Enforceable Through Title V Permit
5. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emissions rates, equipment drawing(s) and operational characteristics/parameters [District Rule 2010] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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  
S-91-11-0; Jan 19 2010 4:44PM - SCANDURL : Joint Inspection Required with RICKARDK

6. There shall be no visible emissions of 5% opacity or greater from any point in this operation including baghouse exhaust, conveyor transfer points, reclaiming, gyratory screen, or truck loadout. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
8. Bag house 3 shall operate whenever material is being reclaimed or conveyed. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Bag house 4 shall operate whenever fine material is being unloaded at truck loadout station. [District Rule 2201] Federally Enforceable Through Title V Permit
10. All dust collectors shall be equipped with a differential pressure gauge which shall not exceed 5.0 inches w.c. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Baghouse particulate matter (PM10) emissions shall not exceed 0.005 gr/dscf. [District Rules 2201 and 4201] Federally Enforceable Through Title V Permit
12. Each dust collector shall be equipped with an adjustable pulse jet cleaning system set to within manufacturers recommendations (all model CPV dust collectors manufacturer recommends turning on pulse cleaning at 4.0 inches and off at 3.5 inches w.c.). [District Rule 2201] Federally Enforceable Through Title V Permit
13. Each dust collector exhaust stack shall be equipped with adequate stack sampling provisions (ports, platform, ladder, etc.) consistent with EPA test methods pursuant to Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
14. Particulate matter collected by baghouses shall be stored in closed containers when such material is not actively being returned to the boiler via permitted conveying equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Particulate matter collected by baghouses shall be disposed of in a manner preventing entrainment in atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
16. A spare filter shall be maintained on the premises at all times for each dust collector. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Material reclaiming shall not exceed 1,440 tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
19. Reclaiming pickup points shall be vented to baghouse #3. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Operation shall include belt type magnetic separator at each reclaiming point magnetic separator take away conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Gyrating type screen shall be vented to baghouse #3. [District Rule 2201] Federally Enforceable Through Title V Permit
22. All tubulators and connecting transfer towers shall be fully enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
23. Baghouse #3 shall consist of filter model CPV-6 or equivalent equipped with 2,010 sq.ft. of filter area operating with an air speed not to exceed 15,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Operation shall include a fully enclosed fine material truck loadout vented to baghouse #4. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Baghouse #4 shall consist of filter model CPV-6 or equivalent equipped with 804 sq.ft. of filter area operating with an air speed not to exceed 6,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Emissions for this operation shall not exceed 24.9 lb-PM10/day nor 8,173 lb-PM10/year. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

27. Visible emissions from dust collectors shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
28. Visible emissions from truck loadout ventilation pickup points, conveyor transfer points, and screens shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
29. Dust collector system shall be thoroughly inspected annually for any evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
30. Dust collector filters shall be thoroughly inspected at least annually when the unit is not in operation for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
31. Daily Records of screened fines and material weight sent to fuel bin shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
32. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit