



**PLACER COUNTY APCD**  
 11464 B Avenue - Auburn, California 95603  
 (530) 889-7130 - Fax (530) 889-7107

**AUTHORITY TO CONSTRUCT  
 TEMPORARY PERMIT TO OPERATE**

**ISSUED TO:**  
 CHEVREAUX AGGREGATE INC.- MV  
 890 GRASS VALLEY HWY  
 AUBURN, CA 95603

**PERMIT NUMBER:**  
 AC-06-31

**FACILITY LOCATION:**  
 END OF COMBIE RD  
 MEADOW VISTA, CA 95722

**EXPIRATION DATE:**  
 6/30/2007

  
 Thomas J. Christofk  
 Air Pollution Control Officer

04/17/2006  
 Issue Date

**PROCESS DESCRIPTION: REVISION OF AC-04-66 FOR A HOT MIX ASPHALT PLANT**

**EQUIPMENT**

No.	Equipment	Rating
1	Aggregate Cold Feed System Consisting of: Four Bins, 30 Tons Capacity Each, 24" Belt Feeders, 3 Hp each for 12 Hp Total, 30" Collector Belt, 10 Hp, Smico Vibration Screen, 4' x 8', 5 Hp, Drum Feed Conveyor, Gencor, 24" x 50', 10 Hp.	HP - 37.
2	Counter-Flow Drum Mixer, Gencor Model 150 Portable Roadrunner, 60 Hp Drive Motors, Propane Burner: Gencor Model AF-40, Serial Number AFE 1370, Burner Rating: 39.5 MMBtu/hr, 32.5 Hp Combined Motors. Underfeed Conveyor, 24", 5 Hp. Asphaltic Cement Pump with Eddy Current Drive, 15 Hp.	HP - 112.5 MBTU - 39,500.
3	Asphalt Cement Storage Tanks, Skid Mounted with Propane Heater, Capacity: 17,000/8,000 Gal., Heater Rating: 1.5 MMBtu/hr, AC Pump, 15 Hp.	HP - 15. MBTU - 1,500.
4	Hot Mix Asphalt Storage Tanks, 2 Total 100 Ton Insulated Silo w/Top Slat Conveyor, 32" x 14', 20 Hp, Silo Air Compressor, 15 Hp.	HP - 35.
5	Baghouse, Gencor 30,000 CFM, Serial Number 150T/30K-66440-98-38, Fan Model 330-BCS, 100 Hp, Air Compressor, 15 Hp.	HP - 115.
6	Portable Slat Conveyor, Gencor, 250 Ton/Hr, 60 Hp.	HP - 60.
7	Plant Air Compressor, 40 Hp.	HP - 40.

**TOTAL RATINGS - HP - 414.5MBTU - 41,000.**

## OPERATING CONDITIONS

1. This Authority to Construct replaces and cancels AC-04-66.
2. The drum mixer/dryer shall be fueled on propane only.
3. A differential pressure gauge to monitor the pressure drop at the baghouse shall be installed and maintained in good working order.
4. All aggregate conveying, transferring and storage operations shall use water mist nozzles installed to effectively control fugitive dust emissions.
5. All trucks hauling aggregate materials shall be filled and emptied in such a manner so as to minimize fugitive dust emissions.
6. All service roads and plant grounds shall be maintained and adequately watered to control fugitive dust emissions.
7. Process Limitations:
  - A. Total asphaltic concrete production shall not exceed 48,000 tons in any calendar quarter.
  - B. The recycling or reclamation of asphalt products is prohibited. Raw materials are restricted to natural gas or liquified petroleum gas, asphalt emulsions, and aggregate. The use of hazardous waste, or used petroleum or other industrial waste as fuel, or the pyrolysis of soil containing such materials is specifically prohibited.
8. The facility shall not process rubberized asphalt unless the company has applied for and received approval of an Authority to Construct to amend the Permit to Operate to allow this product.

## PERFORMANCE TESTING

9. The drum dryer shall be emissions tested at the baghouse outlet for NO<sub>x</sub>, CO, VOC and PM-10 within 60 days of initial startup and in subsequent years as the District may require. The performance tests shall be subject to the following restrictions:
  - A. At least thirty (30) days prior to the actual testing, a written test plan shall be submitted to the Air Pollution Control Officer detailing the sampling methods, analytical methods or detection principles to be used. The prior written approval of the Air Pollution Control Officer is required for the use of alternate test methods.
  - B. The District may require, upon reasonable written notice, the conduct by the company of such emissions testing or analysis as may be deemed necessary by the District to demonstrate compliance with District Rules and Regulations and the limiting conditions of this permit.
  - C. Testing shall be conducted in accordance with 40 CFR 60, Appendix A, Methods, or equivalent methods approved by the State of California Air Resources Board (ARB) by reference in Title 17 of the California Administrative Code, or other methods specified by the company and approved in writing by the Air Pollution Control Officer. Independent testing contractors and analytical laboratories shall be Air Resources Board certified for the test or analysis conducted. Particulate matter testing, if requested, shall include both filterable and condensed particulate matter (e.g. Method 5 modified to include impinger catch).

- D. A report of the testing shall be submitted to the District no later than sixty (60) days after the source test is performed.
10. Testing shall be conducted at full load capacity, and in all cases at greater than 90% capacity, unless approved by the Air Pollution Control Officer. Testing shall consist of three 40-minute runs, averaged to give a single value. Emissions in pounds per hour and pounds per quarter shall be calculated from the averaged values.
11. Test and Sampling Platforms and Ports: Access to the exhaust stack(s) shall be provided by a test platform or other means, and sampling ports shall be installed in accordance with 40 CFR 60.8(e), District Rule 514, and the Platform and Port Specification Sheet.

## **RECORDKEEPING AND REPORTING**

12. Reporting and Recordkeeping: Maintenance and breakdown records shall be maintained and summary reports submitted to the District on forms or formats furnished by the District. Records from monitoring equipment shall be kept by the Owner or Operator for a period of two (2) years, and shall be made available to the District's inspector upon request. Production data required for reporting to the District may include the following:
- A. Typical schedule of operation, in terms of hours/day, days/week, and weeks/year.
  - B. Maximum actual operating hours in any one day.
  - C. Fuel types, fuel specifications, and fuel consumption totals.
  - D. Daily and quarterly records of total asphalt produced.

## **EMISSIONS LIMITATIONS**

13. An emission opacity as dark or darker than Ringlemann No. 1 (20% opacity) for a period or periods aggregating more than three (3) minutes in any one hour is prohibited and is in violation of District Rule 202, Visible Emissions.
14. The particulate emissions concentration of the asphalt plant exhaust shall not exceed 0.1 grains per dry standard cubic foot of gas, at 60 ° F per District Rule 207, Particulate Matter and pursuant to Rule 221, Compliance Tests, particulate matter includes both the filterable and condensed (back-half) fractions, nor 90 mg/dscm (0.04 gr/dscf), 528 ° R standard, for filterable particulate per 40 CFR 60.90.
15. The emission of sulfur compounds, calculated as sulfur dioxide (SO<sub>2</sub>) shall not exceed 0.2 percent by volume per Rule 210, "Specific Contaminants".
16. Particulate matter emissions from facility's aggregated handling and material production shall not exceed the pounds per hour emission limits per ton of material of Rule 211, Process Weight.
17. Emissions from the asphalt drum dryer emissions shall not exceed the following levels:

## DRUM DRYER EMISSION LIMITATIONS

POLLUTANT	POUNDS/HOUR	POUNDS/QUARTER
Volatile Organic Compounds	4.8	1,536
Nitrogen Oxides	4.8	1536
Sulfur Oxides	0.5	163
Total PM-10	4.2	1,344
Carbon Monoxide	18	5,760

18. Emissions from the entire asphalt plant including aggregate handling, oil heater emissions, silo and loadout emissions, and haul road emissions shall not exceed:

## ENTIRE PLANT EMISSION LIMITATIONS

POLLUTANT	POUNDS/HOUR	POUNDS/QUARTER
Volatile Organic Compounds	5.4	1,739
Nitrogen Oxides	5.0	2,044
Sulfur Oxides	0.5	164
Total PM-10	8.5	2,730
Carbon Monoxide	20.6	6,659

## GENERAL CONDITIONS

19. Authorization to construct the equipment listed and as prescribed in the approved plans and specifications is hereby granted, subject to the specified permit conditions. The construction and operation of listed equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted in the conditions. Deviation from the approved plans is not permissible without first securing approval for the changes from the Air Pollution Control Officer. (Rule 501)
20. Written notification shall be submitted to the District no later than seven (7) days after completion of construction. (Rule 501)
21. This permit shall be maintained on the premises of the subject equipment. (Rule 501)
22. The authorized District agents shall have the right of entry to any premises on which an air pollution emission source is located for the purpose of inspecting such source, including securing samples of emissions therefrom, or any records required to be maintained therewith by the District. (Rule 402)
23. In the event of any violation of the District Rules and Regulations, the company shall take action to end such violation. (Rule 502)
24. The company shall notify the District within two hours of any upset conditions, breakdown or scheduled maintenance which cause emissions in excess of limits established by District Rules and Regulations. (Rule 404)

25. Any alteration of the subject equipment, including a change in the method of operation, shall be reported to the District. Such alternations may require an Authority to Construct Permit. (Rule 501)
26. Exceeding any of the limiting condition is prohibited without prior application for, and the subsequent granting of a permit modification pursuant to District Rule 501, General Permit Requirements, Section 400.
27. In the event of a change of ownership, an application must be submitted to the District. Upon any change in control or ownership of facilities constructed, operated, or modified under authority of this permit, the requirements contained in this Authority to Construct shall be binding on all subsequent owners and operators.(Rule 501)
28. **Title V Operating Limitations:** The Owner/Operator shall file an application pursuant to Rule 512, Request for Synthetic Minor Source Status or Rule 507, Federal Operating Permit Program if the facility emissions exceed any of the following in any 12 month period:
  - A. 12.5 tons of nitrogen oxides, 12.5 tons of volatile organic compounds, 50 tons of sulfur oxides, 50 tons of PM-10 or 50 tons of carbon monoxide;
  - B. 5 tons of a single hazardous air pollutant (HAP);
  - C. 12.5 tons of any combination of HAPs;
  - D. 50 percent of any lesser threshold for a single HAP as the U.S. EPA may establish by rule.