

DISTRICT HEADQUARTERS

200 Litton Drive, Suite 320
Grass Valley, CA 95945
(530) 274-9360 / FAX: (530) 274-7546

www.myairdistrict.com

NORTHERN FIELD OFFICE

257 E. Sierra, Unit E
Mailing Address: P.O. Box 2227
Portola, CA 96122
(530) 832-0102 / FAX: (530) 832-0101

**INFORMATION REQUIREMENTS FOR DISTRICT SPECIFIC QUESTIONS
APPLICATION FOR
AUTHORITY TO CONSTRUCT AND/OR PERMIT TO OPERATE**

BAGHOUSE

A separate application is required for each distinct operation which consists in whole, or in part, of equipment, the use of which may cause the issuance of any air contaminant, for which emission limits have been established by the Northern Sierra Air Quality Management District. Such an operation may consist of one individual piece of equipment or a group of two or more items including control equipment.

Submit the following information with your application for an authority to construct and permit to operate:

1. **FACILITY LOCATION MAP:** Provide a copy of a U.S. Geological Map with the facility location clearly shown.
2. **EQUIPMENT LOCATION DRAWING:** The drawing or sketch submitted must show at a minimum the following:
 - a. The property involved and outlines and heights of all buildings on it. Identify property lines plainly. Show the location of the property with respect to streets and all adjacent properties. Identify adjacent properties. Show location of all buildings outside the property that are within 150 feet of the equipment involved in the application.
 - b. Location and identification of the baghouse and associated ductwork, filter units, pre-cleaners, any equipment the exhaust system is to serve.
3. **DESCRIPTION OF OPERATION:** The application must be accompanied by a written description of each operation to be carried out in the equipment. The description must be complete and in detail concerning all operations. Particular attention must be given to explaining all stages of the operation where the discharge of any materials might contribute in any way to air pollution. All obtainable data must be supplied concerning the nature, volumes, particle sizes, weights, concentrations and height of emission point above ground level, of all types of air contaminants that may be discharged at each stage in the operation. Describe emissions of a fugitive nature.

4. **CONTROL EQUIPMENT:**

- a. Make, model, serial number, size, type and capacity of the baghouse.
- b. All data and calculations used in choosing or designing the baghouse.
- c. Describe the means of disposal of the collected air contaminants.
- d. Expected temperature of gases or air entering the filter units.
- e. Expected efficiency of the baghouse in controlling the types of air contaminants involved. Expected particulate emission rate. Supply data to substantiate.
- f. State pressure drop (inches of water) across the unit at design conditions.
- g. Specify materials from which filter clothes are to be made. State total filtering area. State the air to cloth ratio and the number of bags.
- h. Describe bag cleaning procedure, including the means used for preventing losses when cleaning or emptying the filter units.
- i. Include the following specifications: Fan make, model, serial number, size and volume flow rate of air (cubic feet per minute) to be handled; motor make, model, serial number and horse power.
- j. Submit the manufacturer's catalog or specifications for the equipment installed.

NOTE: When commercial equipment is to be installed, the manufacture's catalog describing the equipment may be submitted in lieu of the parts of #4 that it covers.

After the authority to construct is granted for any equipment, deviations from the approved plans are not permissible without first securing additional approval for the changes from the Northern Sierra Air Quality Management District.