

## FORM BA100 BAGHOUSE

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

1. **EQUIPMENT LOCATION DRAWING.** The drawing or sketch submitted must show at least the following:
  - a. The property involved and outlines and heights of all buildings on it. Identify property lines plainly.
  - b. Location of the ductwork and baghouse. Include the outlines of the filter units, pre-cleaners, and any equipment the exhaust system is to serve.
  
2. **CONTROL EQUIPMENT.** Supply the following information and drawings (*when standard commercial equipment is to be used, the manufacturer's catalog describing the equipment should be submitted*):
  - a. Make, model, 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 and the procedure to be used for preventing losses when cleaning or emptying the filter units.
  - d. Expected temperature of air gases entering the filter units.
  - e. Expected efficiency of the baghouse in controlling the types of air contaminants involved. Supply data to substantiate.
  - f. State pressure drop (inches of water) across each filter baghouse at design specifications.
  - g. Specify materials from which filter cloths are to be made. State total filtering area.
  - h. Describe bag cleaning procedure.
  - i. Show locations of all fans or blowers. Include the following specifications for each fan and motor:
    - (1) Fan: make, model, and size. State volume of air (cubic feet per minute) to be handled.
    - (2) Motor: Specify horsepower.