Submit the following information with your application for an authority to construct and 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.
   b. Location and identification of each piece of equipment the exhaust system is to serve.
   c. Location of the ductwork and the cyclones. Use lines to show ducts and include the outlines of the cyclones and any pre-cleaners.

2. **DESCRIPTION OF EQUIPMENT.** Submit the following equipment information:
   a. Make, model, size, type, capacity of the cyclone; and make, model, size, volume of air (cubic feet per minute) to be handled by the fan.
   c. Means of disposal of collected air contaminants and procedures to be used for preventing losses when emptying the cyclone.
   d. State pressure drop across the cyclone at design specifications.
   e. Submit manufacturer’s brochure describing the equipment installed.

3. **DRAWING OF CYCLONE.** Supply a drawing, dimensioned and to scale, showing the following *(if standard commercial equipment is to be installed, the manufacturer’s catalog describing the equipment may be submitted)*:
   a. Overall width, height, and shape of cyclone. Show sizes and shapes of all important details.
   b. Sizes and shapes of all gas or air passageways and hoppers or other parts used to contain the collected air contaminants.

4. **DESCRIPTION OF PROCESS.**
   a. Detail type and total weight of each material charged into the cyclone or process on the basis of pounds per specified unit of time.
   b. Specify the hours per day, days per week and weeks per year the cyclone is to be operated.
   c. Show the flow of materials on a flow diagram or equipment drawing.