



Louisville Metro Air Pollution Control District

Control Device Permit Application Form AP-300B

Bag House/Fabric Filter

Deliver application to:

701 W. Ormsby Ave. Suite 303
Louisville, KY 40203

(502) 574-6000
FAX: (502) 574-5137
www.louisvilleky.gov/apcd
airpermits@louisvilleky.gov

Plant Name:	Plant ID:
Date of construction, modification, installation, or operation:	Process equipment associated with this control equipment:

Equipment Description	Control ID #						
Manufacturer:	Model:						
Baghouse airflow <table style="display: inline-table; vertical-align: top; margin-left: 10px;"> <tr> <td><input type="checkbox"/> Forced draft</td> <td><input type="checkbox"/> Inside out</td> </tr> <tr> <td><input type="checkbox"/> Induced draft</td> <td><input type="checkbox"/> Outside in</td> </tr> </table>	<input type="checkbox"/> Forced draft	<input type="checkbox"/> Inside out	<input type="checkbox"/> Induced draft	<input type="checkbox"/> Outside in	Air flow rate: - (operating range) Pressure drop: - (operating range)		
<input type="checkbox"/> Forced draft	<input type="checkbox"/> Inside out						
<input type="checkbox"/> Induced draft	<input type="checkbox"/> Outside in						
Number of baghouse compartments:	Number of bags per compartment:						
Can the compartments be isolated for maintenance or repair?	<input type="checkbox"/> Yes <input type="checkbox"/> No						
Fabric type <table style="display: inline-table; vertical-align: top; margin-left: 10px;"> <tr> <td><input type="checkbox"/> Felted</td> <td><input type="checkbox"/> Sintered metal</td> <td><input type="checkbox"/> Cartridge</td> </tr> <tr> <td><input type="checkbox"/> Woven</td> <td><input type="checkbox"/> Membrane</td> <td><input type="checkbox"/> Other:</td> </tr> </table>	<input type="checkbox"/> Felted	<input type="checkbox"/> Sintered metal	<input type="checkbox"/> Cartridge	<input type="checkbox"/> Woven	<input type="checkbox"/> Membrane	<input type="checkbox"/> Other:	Fabric material: Removal Efficiency: %
<input type="checkbox"/> Felted	<input type="checkbox"/> Sintered metal	<input type="checkbox"/> Cartridge					
<input type="checkbox"/> Woven	<input type="checkbox"/> Membrane	<input type="checkbox"/> Other:					
Describe how the collected material is handled:							
<i>Attach a copy of the manufacturer's spec sheets for the baghouse unit and the filters with this application</i>							
<i>List the contaminants in the waste stream that are removed by the baghouse:</i>							
Contaminant	CAS # (if applicable)	Collection rate					

Instructions for Bag House/Fabric Filter

Form AP-300B

A fabric filter removes dust from a gas stream by passing the stream using a porous fabric. Dust particles form a porous cake on the surface of the fabric. This cake contributes significantly to the filtration efficiency.

General Information

- Plant Name** Enter the plant name.
- Plant ID #** This is the identification number assigned to the source by the District. If this application is for a new source for which an ID has not been assigned, leave this blank.

Equipment Description

- Manufacturer** Enter the name of the company that manufactures the baghouse equipment.
- Model #** Enter the model number of the equipment to be installed.
- Baghouse Airflow** Check whether the airflow is by forced or induced draft, whether the airflow is from the outside of the bag to the inside or from the inside to the outside, and what the airflow through the baghouse is and the nominal pressure drop across the bags.
- Baghouse compartments** Enter the number of chambers in the baghouse structure.
- Bags per compartment** Enter the number of bags that are used in *each* compartment.
- Compartment isolation** Can the chambers be isolated so that the baghouse can remain on-line while maintenance or repair operations are occurring on other compartments?
- Fabric type** Check the box corresponding to the construction of the bag, then enter the material from which the bags are made (wool, Nomex, PTFE, *etc*) and the rated particulate removal efficiency of the bags.
- Material Handling** Describe how the material captured by the baghouse is collected and disposed.
- Contaminant Removal** List the materials that are removed from the airstream by the baghouse filters. If a CAS registration number exists for the material list that as well. Finally, list the typical amount of material removed, by magnitude and unit of measure (*e.g.* 0.2 lb/ft³, 20 lb/hr).