

Texas Commission on Environmental Quality

**Table 11
Fabric Filters**

Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality (TCEQ) Air Permits Division (APD) website at www.tceq.texas.gov/permitting/air.

A. Emission Point Number (EPN) and Emission Point Name				
EPN: 12		Emission Point Name: Central Baghouse		
B. Manufacturer and Model Numbers (No.)				
Manufacturer No.: Vince Hagan		Model No.: VH-1083JP		
C Name of Source(s) or Equipment Being Controlled				
Name	EPN	FIN		
Truck loadout, silos, weigh hopper				
D. Type of Particulate Controlled				
Cement/flyash	Aggregate/sand			
E. Gas Stream Characteristics				
Design Maximum	Average Expected Flow Rate (acfm)	Gas Stream Temperature (°F)	Particulate Grain Loading (grain/scf)	
6500	6500		Inlet:	Outlet: <0.01
Pressure Drop (inches of H ₂ O)	Water Vapor Content of Effluent Stream (lb water/lb dry air)		Fan Requirements	
6			hp: 15	ft ³ /min.:
F. Particulate Distribution (By Weight)				
Micron Range	Inlet %		Outlet %	
0.0-0.5				
0.5-1.0				
1.0-5.0				
5-10				
10-20				
over 20				
G. Filter Characteristics				
Filtering Velocity (acfm/ft ² of Cloth)	Bag Diameter (inches)	Bag Length (feet)	Total Number of Bags	
6	6	7	99	

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H. Bag Rows	
Indicate the arrangement of the baghouse bag filter rows.	* Staggered * Straight
I. Walkways	
Will walkways be provided between banks of bags?	* YES * NO
J. Filtering Material	
Identify the filtering media:	
Polyester felt	
Any additional coating or treatment of the baghouse material:	
K. Cleaning of the Filter(s)	
Describe Bag Cleaning Method and Cycle:	
Jet pulse	
L. Cost	
Capital Installed Cost:	
Annual Operating Cost:	

Note: Attach the details regarding the principle of operation and an assembly drawing (front and top view) of the abatement device drawn to scale clearly showing the design, size and shape.

If the device has bypasses, safety valves, etc., include in the drawing and specify when such bypasses are to be used and under what conditions.