

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: 7 | | Emission Point Name: Central Dust Collector | | |
| 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 | | |
| Mixer & Weigh Hopper | | | | |
| Silos & Pigs | | | | |
| D. Type of Particulate Controlled | | | | |
| Cement | Flyash | Aggregate Dust | | |
| 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 | |
| | | | hp: | 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 | |
| 6.0 | 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.