

Texas Commission on Environmental Quality
Table 12
Electrostatic Precipitators

Emission Point No. <i>(from flow diagram)</i> :				
Manufacturer:			Model No. <i>(if available)</i> :	
Name of Abatement Device:			Type of Particulate Controlled:	
Gas Stream Characteristics				
Flow Rate (acfm)		Gas Stream Temperature (°F)	Particulate Grain Loading (grain/scf)	
Design Maximum:	Average Expected:		Inlet:	Outlet:
Pressure Drop (in. H ₂ O):				
Water Vapor Content of Effluent Stream (lb water/lb dry air):				
Fan Requirement (hp):			Fan Requirement (ft ³ /min):	
Particulate Distribution <i>(by weight)</i>				
Micron Range	Inlet		Outlet	
0.0-0.5	%		%	
0.5-1.0	%		%	
1.0-5.0	%		%	
5-10	%		%	
10-20	%		%	
over 20	%		%	
Precipitator Characteristics				
No. of Stages:			No. of Plates:	
Plate Spacing:			No. of Discharge Electrodes:	
Spacing Between Electrodes and Plates:			Length of Plates (ft.):	
Width of Plates:			Potential Applied (KV/in):	

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Precipitator Characteristics (<i>continued</i>)	
Cross-Sectional Area of Precipitator (ft. ²):	Cross-Sectional of Inlet Duct (ft. ²):
Precipitator Volume (ft.):	Residence Time in Precipitator (sec.):
Select Type of Collecting Electrode: ☐ Tubular ☐ Plate ☐ Other (Specify): _____	
Method of frequency of dust removed from collection hopper:	
Describe frequency and type of rapping employed:	
Additional Information	
On separate sheets attach the following:	
1. Details regarding principle of operation.	
2. An assembly drawing (<i>front and top view</i>) of the abatement device dimensioned and to scale clearly showing the design, size, and shape. If the device has bypasses, safety valves, etc., include those in the drawing and specify when such bypasses are to be used and under what conditions.	