Texas Commission on Environmental Quality
Table 13
Scrubbers or Wet Washers

General Information		
Emission Point No. *(from Flow Diagram):*		
Manufacturer:		
Model No. *(if available)*:		
Name of Abatement Device:		
Type of Air Contaminant Controlled:		
Gas Stream Characteristics		
Flow Rate (acfm)		
Design Maximum:	Average Expected:	
Gas Stream Temperature (°F)		
Inlet:	Outlet:	
Particulate Grain Loading (grain/scf)		
Inlet:	Outlet:	
Particulate Distribution *(by weight)*		
Micron Range	**Inlet (%)**	**Outlet (%)**
0.0 - 0.1		
0.1 - 3.0		
3.0 - 5.0		
5 - 10		
10 - 20		
Over 20		
Scrubbing Liquid Characteristics		
Scrubbing Liquid		
Composition	Weight %	
Liquid Injection Rate		
Design Maximum (gpm):	Average Expected (gpm):	
Pressure at Spray Nozzle (psia):	Pressure Drop Through Scrubber (inches H_2O):	
Type of Scrubber: ☐ Spray Chamber ☐ Orifice ☐ Venturi ☐ Cyclone ☐ Mechanical ☐ Packed Tower Type		

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Scrubbing Liquid Characteristics *(continued)*	
Data for Venturi Scrubber	
Throat Dimensions *(specify units)*:	Throat Velocity (ft/sec):
Data for Packed Towers	
Type of Packing:	Superficial Gas Velocity Through Bed:
Capital Installed Cost:	
Annual Operating Cost:	
On a separate sheets attach the following:	
☐ Details regarding principle of operation	
☐ An assembly drawing (front and top view) of the abatement device dimensioned and to scale clearly showing the design, size, and shape.	
☐ If the device has bypasses, safety valves, etc., include in drawing and specify when such bypasses are to be used and under what conditions.	

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