AIR POLLUTION CONTROL EQUIPMENT DATA WET SCRUBBING DEVICE

FORM E103 01/2001

1.	Name of Company:	As shown on Line	1 of Form F001				
2.	Equipment Name:		v				
		As shown on Line 9	9 of Form E001				
3.	Equipment Data: Manufacturer of V	Vet Scrubber: _					
	Model Number: Cost of Wet Scrubber:						
	Date of Manufactu	ıre:		Date of Insta	llation:		
	Pre-cleaning Equipmen	nt: No	□Yes	If yes, what type (Fi	le appropriate form j	for control equipment)
	Volume of gas discharg	ged from wet scr	ubber at dry stand	lard conditions:			lscfm
4.	Pressure Drop Across Stated by the man			Inches of H ₂ O			
	Measured (Actual)):		Inches of H ₂ O			
5.	Inlet Properties: Inlet Gas Tempera Inlet Gas Pressure Inlet Gas Velocity Inlet Gas Density:	:		Moisture in Gas	Stream:	Ft ² Lbs/fi % °F	-sec.
6.	Wet Scrubber Compo	strumentation	_	as Temperature Instruntial Pressure Instru			
7.	Wet Scrubber Type: ☐ Spray Chamb	oer	Mecha	nical Scrubber	□Ven	nturi Scrubber	
	Packed Towe	r	Centrif	ugal Scrubber	Сус	lonic Scrubber	
	☐ Variable Pressure Drop Orifice Scrubber					fice Type Scrubbe	er
	☐Wet Impinge	ment Collector			□Wet	t Filter	
8.	Wet Scrubber Operat	tion:	mittent				
9.	Description of Scrubb Volume of Scrubb		Ft ³ Co	onstruction Material:	:		
	Shape of Scrubber	r: Recta	angular C	ylindrical Othe	er (Describe):		
	Dimensions of Sci	rubber: Leng	th:	Ft Width:	Ft	Height:	Ft Page 1 of 3

10.	Scrubbing Media Data: Water Chemical Agent (Specify):
	Purpose for Chemical Agent: Surface Reactant Neutralizing Agent Wetting Agent
	Other (Specify):
	Liquid Consumption Rate: Gallons per 1000 cfm of gas Liquid Inlet Pressure: Psi
	Inlet Liquid Temperature: °F Maximum °F Minimum
11.	Technical Data: (Answer only the questions applicable to your equipment.)
	Direction of Spray (to gas flow): Normal Parallel Tangential
	Type of Spray Nozzle:
	Describe Impingement Plates:
	Number of Impingement Plates: Number of Holes per Impingement Plate:
	Area of Each Impingement Plate: Ave. Area of Each Opening through Plate:
	Type of Packing (Describe):
	Type of Mist Eliminator (Describe):
12.	Particle Size Distribution in Microns (μ):
	Particle Type(s):
	Size 0-5μ 5-10μ 10-20μ 20-44μ Greater than 44μ Give % by
	Weight Weight
13.	Sludge Disposal Method: Automatic Manual Other (Describe):
	How often are hoppers emptied? Every Hours
	Is a water clarification and recycling system used with this equipment?
	Site of sludge disposal:
14.	Particulate Control Efficiency:
	Manufacturer's stated efficiency: % Required Efficiency: %
	Operation Efficiency (Performance Testing): %
	Size $0-5\mu$ 5-10 μ 10-20 μ 20-44 μ Greater than 44 μ
	Give % by Weight
	Page 2 of

ŀ	Fan Design (Check one – A, B, or C):	DL 1 T						
-	Fan Type:	Blade Type:						
	A. Centrifugal (radial flow)	☐Forward Curve ☐Backward Curve ☐Straight						
	B. Axial-flow (propeller)	Propeller Tube Axial Vane Axial						
	Fan Properties:							
	Diameter: Speed: Volume: Static Pressure:	Inches Braking Horsepower: BHP RPM Inlet Area: Ft² CFM @ STP Outlet Area: Ft² Inches WC Motor Horsepower: HP						
	☐Standard ☐Heavy Duty Special Construction Materials:	Submitted copy of Manufacturer's Yes No Multirating Tables						
	☐Bronze Alloys ☐Al	luminum						
	Zinc Chromate Primer Rubber, Phenolics, Vinyls, or Epoxy Coverings							
	g	Positive Displacement Dynamic Reciprocating						
	C. Compressor	Positive Displacement Dynamic Reciprocating						
		ns concerning this equipment and that the information provided on this application is true a						
Ĺ	This is to certify that I am familiar with the operation complete to the best of my knowledge. This form must be Mail to:	ns concerning this equipment and that the information provided on this application is true a be completely filled out before it will be processed. Company Official:						
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