Major Source Operating Permit Application Control Equipment – Baghouse/Fabric Filters

1	Facility Name								
2	Equipment name and identification #								
3	Stack ID or flow diagram point identi								
4	Name of manufacturer		<u> </u>						
4	Name of manufacturer								
5	Model number								
6	Cost of baghouse								
7	Date of installation								
1	Date of manufacture								
8	Does baghouse contain pre-cleaning equipment?		Yes (descri	be):					
9	A. Volume of gas discharged from bastandard conditions B. Total cloth area of baghouse C. Air to cloth ratio (A/B)	dscfm Ft ² Ft/min							
		Pres	ssure drop across	baghou	use				
10	Stated by manufacturer		Inches of water						
10	Measured (Actual)		Inches of water						
	Calculated			Inches	of water				
	Type of fabric filters used in baghous	e							
11	Operating temperature		Manufacturer's recommended					°F	
11			Normal			°F			
			Maximum					°F	
12	Indicate which of the following are components of this baghouse	Flow rate Dew point Heat exch	anger		Differer Evapora	Inlet gas temperature instrumentation Differential pressure instrumentation Evaporative cooler Other (describe)			tation ation
	On anti-on of head one				Г		-:444		
	Operation of baghouse Baghouse inlet (dirty gas)	Continuou Bottom fee			<u>L</u>	Top fo	nittent eed		Tangential
	Buginouse finet (dirty gas)	Other (describe)			Ī		nal filtratio	on	rungentiur
	Shape of baghouse	Rectangular			Cubical				
13		Other (des	scribe)		[Cylin	drical		
	Does baghouse have a wear	☐ Yes ☐ No.							
	resistant plate? Size of baghouse (volume)	□ No Ft ³							
	Shell material	Pt							
			T						
	Baghouse cleaning method (check one)						_		
14	A. Fabric flexing		☐ Mechanical shaking and rapping☐ Collapse cleaning☐ Pulse (pressure) jet cleaning						
14	B. Reverse air cleaning		Reverse jet Manual cleaning Reverse flow						
15	F:14	□ D _{***} .1.				4 1			
	Filter configuration Panels Multiple to			rcular c her (des	ross-secti	on tube			
	Filter fabric	Felted	uoc bag UO	nei (ues	[[Wove	en		
	Filter area	Ft ²							
	Number of filters per compartment								
	Number of compartments								

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Form 70-18

	Particle size distribution in microns (μ)													
16	Particle type(s)													
	Particle size	0-5μ	5-10μ	10-20μ	20-44μ	Greater than 44µ								
	Give % by weight													
	Dust disposal method Automatic (screw conveyor, etc.) Manual													
17	Dust disposal method	Automatic	(screw convey	or, etc.)	Manual									
	Describe dust disposal method													
	11 1	Every hours												
	Is disposed material wetted before	Yes												
	transport?	□ No												
	Site of disposal													
	Particulate control efficiency													
18	A. Manufacturer's stated efficiency													
	B. Required efficiency													
	C. Operation efficiency (performance to													
	D. Efficiency for particle size													
	Give efficiency for particle size	0-5μ	5-10µ	10-20μ	20-44μ	Greater	than 44u							
	Give % by weight					1								
	Site to by weight													
19	Location of the fan		side (pull throug	<u> </u>										
	Type fan (check one)		al (radial flow)	Axial flow										
		Compresso												
	Type blade (check one)	Forward c		Straight		Tube-axia								
		Backward	curve	Propeller		☐ Vane-axial								
			Fan data	 L										
20	Diameter		Inches	Braking horsep	ower		BHP							
	Speed		RPM	Inlet area			Ft ²							
	Volume		CFM @ STP	Outlet area			Ft ²							
	Static pressure		Inches WC	Motor horsepov	wer		HP							
	Submitted copies of manufacturer's mu				☐ No	No								
	For compressor	Positive di	isplacement	☐ Dynamic	Reciprocating									
	Da oa Marakan	D. C. D. C.												
21	Page Number		Revision Number			Date of Revision								

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