



Air Quality Permit Application Form 7.0: Control Equipment Information

FACILITY NAME: _____	DATE: _____
NDEQ Facility ID#: _____	Emission Point ID#: _____

Section 7.3: Baghouse (Fabric Filter)

IMPORTANT: READ THE INSTRUCTIONS ACCOMPANYING THIS SECTION BEFORE COMPLETING. Do NOT use pencil to fill out this application. Please type responses or print using black ink.					
General Information					
1) Control Equipment ID#: _____		2) Installation Date: _____		<input type="checkbox"/> New Unit	
3) Control Equipment Name/Description: _____					
4) Unit Information					
List all the emission units that are controlled by the baghouse:					
Unit ID#	Unit Type	Unit Name	Maximum Capacity (include units)	Installation Date	New Unit
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
If more than four units' emissions are controlled by this baghouse, attach additional pages so all emission units are accounted for.					
5) Baghouse Information					
Manufacturer	Model Name	Model Number	Number of Compartments	Number of Bags per Compartment	
Draft (check one):					
Induced/Negative <input type="checkbox"/>		Forced/Positive <input type="checkbox"/>		Other: <input type="checkbox"/> Describe: _____	
6) Bag (Fabric Filter) Information					
Bag (filter) Surface Area (ft ²): _____		Length of Bag (inches): _____		Diameter of Bag (inches): _____	
Air to Bag Ratio: _____		Type of Fabric: _____			
Fabric Weight (oz): _____		Fabric Weave: _____		Fabric Finish: _____	
Fabric Properties (check all that apply):					
Moisture Binding <input type="checkbox"/>		Chemical Resistivity <input type="checkbox"/>		Other: <input type="checkbox"/> Describe: _____	
If you do not have and cannot obtain some of the bag information, please state it as unknown.					
7) Stack Information <input type="checkbox"/> N/A					
Height	Top Inside Diameter	Stack Discharge	Exit Velocity of Gas	Exit Temperature of Gas	
ft	ft	<input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical <input type="checkbox"/> Vertical with Rain Cap	m/s	°K	
8) Baghouse Temperature Information					
Maximum Design Temperature Capability: _____		°F <input type="checkbox"/> °C <input type="checkbox"/>			
Inlet Temperature	Maximum: _____	°F <input type="checkbox"/> °C <input type="checkbox"/>		Minimum: _____	°F <input type="checkbox"/> °C <input type="checkbox"/>
Outlet Temperature	Maximum: _____	°F <input type="checkbox"/> °C <input type="checkbox"/>		Minimum: _____	°F <input type="checkbox"/> °C <input type="checkbox"/>



Air Quality Permit Application Form 7.0: Control Equipment Information

FACILITY NAME: _____	DATE: _____
NDEQ Facility ID#: _____	Emission Point ID#: _____

Section 7.3: Baghouse (Fabric Filter; continued)

9) Baghouse Operational and Monitoring Information		
Maximum Design Air Flow (acfm):	Maximum Operating Gas Exhaust Flow (acfm):	
Maximum Operating Pressure Drop (inches water):	Minimum Operating Pressure Drop (inches water):	
Maximum Inlet Gas Stream Moisture (%):		
Monitoring (check one and give a brief description):		
Continuous Monitoring:	<input type="checkbox"/>	Describe: _____
Other Monitoring:	<input type="checkbox"/>	Describe: _____
10) Baghouse Maintenance Information		
Method for Determining When to Clean Bag: _____		
Method of Bag Cleaning (check all that apply):		
Automatic <input type="checkbox"/>	Mechanical Shaker <input type="checkbox"/>	Simple Bag Collapse <input type="checkbox"/>
Manual <input type="checkbox"/>	Reverse Flow <input type="checkbox"/>	Ring Bag Collapse <input type="checkbox"/>
Timed <input type="checkbox"/>	Air Pulse <input type="checkbox"/>	Sonic <input type="checkbox"/>
Other <input type="checkbox"/>	Describe: _____	
11) Control Information		
Uncontrolled Emission Rate (lb/hr):	Controlled Emission Rate (lb/hr):	
Minimum Size of Particles Collected:	Loading Rate (include units):	
Pollutant:	Capture Efficiency (%):	
Pollutant:	Capture Efficiency (%):	
Pollutant:	Capture Efficiency (%):	
Test or Manufacturer's Data Available: Yes <input type="checkbox"/> No <input type="checkbox"/>	Test or Manufacturer's Data Attached: Yes <input type="checkbox"/> No <input type="checkbox"/>	
12) Particle Size Distribution		
If known, enter the particle size distribution:		
Size (microns)	Weight (% of total)	Cumulative (%)
13) Potential to Emit Calculations Attached? <input type="checkbox"/> YES		
14) Additional Information Attached? <input type="checkbox"/> YES <input type="checkbox"/> NO		

Complete the following ONLY if completing this Section as Part of an Operating Permit Application

15) Actual Operating Information					
Provide the operating hours of this baghouse for the past five years (past year if new unit):					
Year					
Hours Operated					
16) Actual Emission Calculations Attached? <input type="checkbox"/> YES					
17) Additional Information Attached? <input type="checkbox"/> YES <input type="checkbox"/> NO					