

SHELBY COUNTY HEALTH DEPARTMENT
POLLUTION CONTROL SECTION
1826 Sycamore Road
Memphis, TN 38134
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NOT TO BE USED FOR TITLE V APPLICATIONS

SCHD RECEIPT DATE

CYCLONE DESCRIPTION

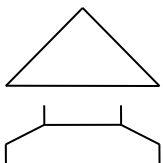
PLEASE TYPE OR PRINT, SUBMIT IN DUPLICATE FOR EACH CYCLONE CAPABLE OF VENTING DIRECTLY TO THE ATMOSPHERE, AND ATTACH TO THE PERMIT APPLICATION.						
1. ORGANIZATION LEGAL NAME:				SCHD-APC FACILITY ID.:		
2. EMISSION SOURCE NUMBER:		CYCLONE NUMBER:	NAICS CODE:	SCHD-APC PERMIT ID.:		
3. LOCATION	LATITUDE:	LONGITUDE:	UTM VERTICAL:	UTM HORIZONTAL:		
4. NORMAL OPERATION	HOURS/DAY:	DAYS/WEEK:	WEEKS/YEAR:	DAYS/YEAR:		
5. MAXIMUM OPERATION	HOURS/DAY:	DAYS/WEEK:	WEEKS/YEAR:	DAYS/YEAR:		
6. PERCENT ANNUAL THROUGHPUT	DEC. - FEB.:	MARCH - MAY:	JUNE - AUG.:	SEPT. - NOV.:		
7. TYPE OF OPERATION (CHECK & COMPLETE AS APPROPRIATE)	CONTINUOUS: _____ BATCH: _____		NORMAL BATCH TIME:	NORMAL BATCHES/DAY:		
IF CYCLONE IS PART OF A PROCESS EMISSION SOURCE FOR WHICH A PROCESS SOURCE DESCRIPTION FORM (APC 2-02) HAS BEEN COMPLETED, ITEM 8 MAY BE LEFT BLANK, OTHERWISE COMPLETE ITEM 8 FOR EACH PROCESS SOURCE.						
8. MATERIAL PROCESSED (SPECIFY)	DIAGRAM* REFERENCE	PROCESS INPUT RATES				
		ACTUAL (LB/HR)	MAXIMUM (LB/HR)	DESIGN (LB/HR)	ACTUAL (TN/YR)	MAXIMUM (TN/YR)
TOTALS:						
9. SPECIFY MATERIAL BLOWN TO CYCLONE	CYCLONE INPUT RATE					
	ACTUAL (LB/HR):	MAX. (LB/HR):	DESIGN (LB/HR):	ACTUAL (TN/YR):	MAX. (TN/YR):	
DOES MATERIAL INCLUDE ANY FINE DUST SUCH AS SANDER DUST OR FLOUR?	YES:	NO:	(FOR MSCHD-APC USE)			
			SCC CODE:			
10. CYCLONE DIMENSIONS (FEET & INCHES) SEE DIAGRAM BELOW	BODY HEIGHT:	BODY DIAMETER:	CONE HEIGHT:	SKETCH CYCLONE CAP ON DIAGRAM BELOW		
	INLET DIMENSIONS:					
CAN AIR FROM THE CYCLONE BE RETURNED TO PLANT?			DAYS PER YEAR AIR IS RETURNED TO PLANT:			
NO: _____ YES: _____						

A PROCESS FLOW DIAGRAM MUST BE ATTACHED. IF CYCLONE IS ROUTED TO ANOTHER CYCLONE OR OTHER EQUIPMENT, SHOW SKETCH OF ENTIRE SYSTEM.

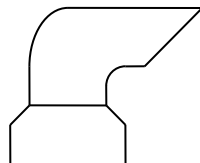
CYCLONE DIAGRAM

CHECK APPROPRIATE OUTLET CONFIGURATION BELOW

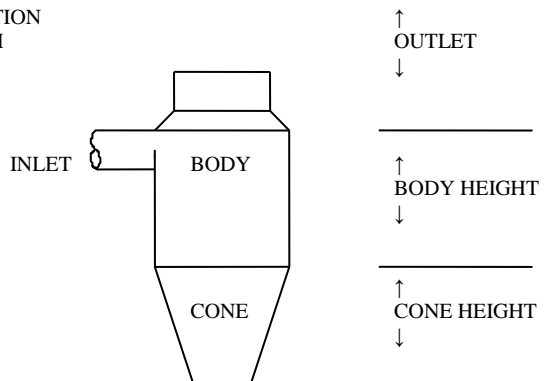
SKETCH OTHER CONFIGURATION ON DIAGRAM AT RIGHT



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11. CYCLONE AIR EXIT DATA	HEIGHT ABOVE GRADE (FT):	DIAMETER (FT):	TEMPERATURE (°F):	DIRECTION OF EXIT (UP, DOWN, OR HORIZ):	DISTANCE TO NEAREST PROPERTY LINE	
DATA AT EXIT CONDITIONS	FLOW (ACTUAL FT ³ /MIN):	VELOCITY (FT/SEC):		MOISTURE (GRAINS/FT ³):	MOISTURE (PERCENT):	
DATA AT STANDARD CONDITIONS	FLOW (DRY STD. FT ³ /MIN):	VELOCITY (FT/SEC):		MOISTURE (GRAINS/FT ³):	MOISTURE (PERCENT):	
12. SPECIFY DISPOSITION METHOD OF COLLECTED MATERIAL:*				IS THERE AN AIR LOCK ON THE CYCLONE? YES: ____ NO ____		
13. AIR CONTAMINANTS	EMISSIONS (LBS/HR)		CONCENTRATION	AVG EMISSIONS (TONS/YEAR)	EMISSIONS** EST. METHOD	CONTROL EFFICIENCY %
	AVERAGE	MAXIMUM				
PARTICULATES:			***			
OTHER (SPECIFY):						
14. INDICATE WHICH MACHINES PRODUCE MATERIAL ROUTED TO THE CYCLONE BY GIVING THE NUMBER OF MACHINES AND THE APPROXIMATE PERCENT OF CYCLONE OPERATING TIME THE MACHINES ARE USED.						
MACHINE	NUMBER	% TIME	MACHINE	NUMBER	% TIME	
SELF - FEED TABLE RIPSAWS			AUTOMATIC LATHES			
GANG RIPSAWS			FORMING LATHES			
BAND SAWS AND RESAWS			CHAIN MORTISES			
ALL OTHER SAWS			DOWEL MACHINES			
SWING ARM SANDERS			PANEL RAISER			
DISC SANDERS			DOVE TAIL AND LOCK MACHINES			
TRIPLE - DRUM SANDERS			CORNER MACHINES			
HORIZONTAL BELT SANDERS			PULLEY POCKETS			
VERTICAL BELT SANDERS			PULLEY STILES			
JOINTERS			GLUE JOINTERS			
SINGLE PLANERS			GAINERS			
DOUBLE PLANERS			ROUTERS			
MOLDERS, MATCHERS, AND SIZERS			WOOD HOGS			
SASH STICKERS			FLOORSWEEPS			
WOOD SHAPERS			OTHER (SPECIFY)			
TENONER						
OTHER (SPECIFY)						
15. COMMENTS						

* IF COLLECTED MATERIAL IS ROUTED TO ANOTHER CYCLONE OR OTHER EQUIPMENT, SO INDICATE & INCLUDE IDENTIFICATION NUMBER OR CODE OF THE EQUIPMENT IF APPROPRIATE.

** REFER TO THE BACK OF THE PERMIT APPLICATION FORM (APC 20) FOR ESTIMATION METHOD CODES.

*** EXIT GAS PARTICULATE CONCENTRATION UNITS: GRAINS/DRY STANDARD FT3 (70°F).