

SHELBY COUNTY HEALTH DEPARTMENT
POLLUTION CONTROL SECTION
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NOT TO BE USED FOR TITLE V APPLICATIONS

**INCINERATOR
SOURCE DESCRIPTION**

SCHD RECEIPT DATE

PLEASE TYPE OR PRINT, SUBMIT IN DUPLICATE, AND ATTACH TO THE PERMIT APPLICATION.											
1. ORGANIZATION'S LEGAL NAME:					SCHD-APC FACILITY ID:						
2. EMISSION SOURCE NUMBER:				NAICS CODE:		SCHD-APC PERMIT ID:					
3. SOURCE LOCATION		LATITUDE:		LONGITUDE:		UTM VERTICAL:		UTM HORIZONTAL:			
4. TYPE OF WASTE BURNED (USE CODE FROM TABLE ON BACK) <input type="checkbox"/>			CHARGING RATE (POUNDS/HOUR)			TONS BURNED PER YEAR:					
			AVERAGE:		DESIGN:						
5. INCINERATOR MANUFACTURER:					MODEL NUMBER:			DATE INSTALLED:			
6. INCINERATOR TYPE		SINGLE CHAMBER <input type="checkbox"/>		MULTI-CHAMBER <input type="checkbox"/>		REFRACTORY LINED <input type="checkbox"/>		AUXILIARY BURNERS <input type="checkbox"/>			
7. NORMAL OPERATION		HOURS/DAY:		DAYS/WEEK:		WEEKS/YEAR:		DAYS/YEAR:			
8. MAXIMUM OPERATION		HOURS/DAY:		DAYS/WEEK:		WEEKS/YEAR:		DAYS/YEAR:			
9. PERCENT ANNUAL THROUGHPUT		DEC. - FEB.:		MARCH - MAY:		JUNE - AUGUST:		SEPT. - NOV.:			
10. BURNER DATA					BURNER CAPACITY (BTU/HOUR)			AIR FLOW (CFM)			
					PRIMARY:		SECONDARY/AFTERBURNER:		OVERFIRE:		UNDERFIRE:
					CONTROLLED AIR: <input type="checkbox"/>			STARVED AIR: <input type="checkbox"/>			
11. FUEL DATA		PRIMARY FUEL (SPECIFY):				STANDBY FUEL (SPECIFY):					
FUEL	ANNUAL USAGE	HOURLY USAGE		% SULFUR CONTENT	% ASH CONTENT	BTU VALUE OF FUEL	FOR APC USE ONLY (SCC CODE)				
		DESIGN	AVERAGE								
NATURAL GAS	10 ⁶ FT ³	FT ³	FT ³			1,000 BTU/FT ³					
#2 FUEL OIL	10 ³ GAL	GAL	GAL								
LIQUID PROPANE	10 ³ GAL	GAL	GAL			85,000 BTU/GAL					
OTHER (SPECIFY TYPE & UNITS)											
12. STACK OR EMISSION POINT DATA		HEIGHT ABOVE GRADE (FT):		DIAMETER (FT):		TEMPERATURE (°F):		DISTANCE TO NEAREST PROPERTY LINE (FT):			
DATA AT EXIT CONDITIONS		FLOW (ACTUAL FT³/MINUTE):			VELOCITY (FT/SEC):		MOISTURE CONTENT (%):				
DATA AT STANDARD CONDITIONS		FLOW RATE (DRY STANDARD CUBIC FEET PER MINUTE):									

(OVER)

13. AIR CONTAMINANTS	AVERAGE (LB/HR)	MAXIMUM (LB/HR)	CONCENTRATION	AVERAGE (TON/YEAR)	MAXIMUM (TONS/YR)	EMISSIONS ESTIMATION METHOD*	CONTROL DEVICES*	CONTROL EFFICIENCY (%)
PARTICULATES**			***					
SULFUR DIOXIDE			****					
CARBON MONOXIDE			****					
ORGANIC COMPOUNDS			****					
NITROGEN OXIDES			****					
FLUORIDES			****					
OTHER (SPECIFY)								
14. SCRUBBER DATA	MANUFACTURER & MODEL NUMBER:		WATER FLOW (GALLONS / MINUTE):		SCRUBBER PRESSURE DROP (INCHES OF WATER):			
	OTHER CONTROL (SPECIFY AND DESCRIBE):							
15. INDICATE TYPE(S) OF MONITORING AND RECORDING INSTRUMENTS WHICH ARE INSTALLED/UTILIZED:								
OPACITY MONITOR <input type="checkbox"/> SO ₂ MONITOR <input type="checkbox"/> NO _x MONITOR <input type="checkbox"/> OTHER (SPECIFY IN COMMENTS) <input type="checkbox"/>								
16. COMMENTS:								

* REFER TO BACK OF PERMIT APPLICATION FORM (APC-2-01) FOR APPROPRIATE ESTIMATION METHOD AND CONTROL CODES
 ** A VALID STACK TEST OF PARTICULATE EMISSIONS FROM MANUFACTURER SHALL BE INCLUDED WITH APPLICATION
 *** EXIT GAS PARTICULATE CONCENTRATION UNITS: GRAINS PER DRY STANDARD CUBIC FOOT (AT 70° F)
 **** EXIT GAS CONCENTRATION UNITS: PARTS PER MILLION BY VOLUME (DRY BASIS)

TABLE OF CODES FOR "TYPE OF WASTE BURNED"

PRINCIPAL COMPONENTS, USUAL SOURCE AND TYPICAL MOISTURE CONTENT

CODE

HIGHLY COMBUSTIBLE WASTE, PAPER, WOOD, CARDBOARD CARTONS, (INCLUDING UP TO 10% TREATED PAPERS, PLASTIC OR RUBBER SCRAPS); FROM COMMERCIAL AND INDUSTRIAL SOURCES; 10% MOISTURE.

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COMBUSTIBLE WASTE, PAPER, CARTONS, RAGS, WOOD SCRAPS, COMBUSTIBLE FLOOR SWEEPINGS, FROM: DOMESTIC, COMMERCIAL, AND INDUSTRIAL SOURCES; 25% MOISTURE

1

RUBBISH AND GARBAGE, FROM: RESIDENTIAL SOURCES; 50% MOISTURE

2

PREDOMINANTLY ANIMAL AND VEGETABLE WASTE FROM: RESTAURANTS, HOTELS, MARKETS, INSTITUTIONAL, COMMERCIAL AND CLUB SOURCES; 70% MOISTURE

3

CARCASSES, ORGANS, SOLID ORGANIC WASTES, FROM: HOSPITALS, LABORATORIES, SLAUGHTERHOUSES, ANIMAL POUNDS, AND SIMILAR SOURCES; 85% MOISTURE

4

SOLID AND SEMI-SOLID INDUSTRIAL PROCESS WASTE; VARIABLE MOISTURE. DESCRIBE IN DETAIL UNDER COMMENTS.

5

GASEOUS AND SEMI-LIQUID INDUSTRIAL PROCESS WASTE; VARIABLE MOISTURE. DESCRIBE IN DETAIL UNDER COMMENTS.

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