STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF AIR POLLUTION CONTROL

NOT TO BE USED FOR TITLE V APPLICATIONS

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EMISSION POINT DESCRIPTION

APC 22

PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH STACK OR EMISSION POINT.
ATTACH TO THE PERMIT APPLICATION.

1. ORGANIZATION NAME				/ / / FOR	APC COMPANY POINT NO.
2. EMISSION SOURCE NO. (FROM APPLICATION)		FLOW DIAGRAM POINT NUMBER		/ / / APC	APC SEQUENCE NO.
3. LOCATION:	LATITUDE	LONGITUDE	UTM VERTICAL		UTM HORIZONTAL
4. BRIEF EMISSION POINT DESCRIPTION (ATTACH A SKETCH IF APPROPRIATE):					DISTANCE TO NEAREST PROPERTY LINE (FT)

COMPLETE LINES 5 AND 6 IF DIFFERENT FROM THAT ON THE PROCESS OR FUEL BURNING SOURCE DESCRIPTION (APC 21)

5. NORMAL OPERATION:	HOURS/DAY	DAYS/WEEK	WEEK/YEAR		DAYS/YEAR
6. PERCENT ANNUAL THROUGHPUT:	DEC.-FEB.	MARCH-MAY	JUNE-AUG.		SEPT.-NOV.
7. STACK OR EMISSION POINT DATA:	HEIGHT ABOVE GRADE (FT)	DIAMETER (FT)	TEMPERATURE (°F)	% OF TIME OVER 125°F	DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL)
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)

8. AIR CONTAMINANTS	ACTUAL EMISSIONS						
	EMISSIONS (LBS/HR)		CONCENTRATION	AVG. EMISSIONS (TONS/YR)	EMISSIONS* EST. METHOD	CONTROL DEVICES*	CONTROL EFFICIENCY%
	AVERAGE	MAXIMUM					
PARTICULATES			**				
SULFUR DIOXIDE			***				
CARBON MONOXIDE			PPM				
ORGANIC COMPOUNDS			PPM				
NITROGEN OXIDES			PPM				
FLUORIDES							
OTHER(SPECIFY)							
OTHER(SPECIFY)							

(OVER)

9. CHECK TYPES OF MONITORING AND RECORDING INSTRUMENTS THAT ARE ATTACHED:
OPACITY MONITOR ( ), SO2 MONITOR ( ), NOX MONITOR ( ), OTHER (SPECIFY IN COMMENTS) ( )

10. COMMENTS

11. SIGNATURE	**DATE**

* REFER TO THE BACK OF THE PERMIT APPLICATION FORM FOR ESTIMATION METHOD AND CONTROL DEVICE CODES.

** EXIT GAS PARTICULATE CONCENTRATION UNITS: PROCESS — GRAINS/DRY STANDARD FT3 (70°F); WOOD FIRED BOILERS — GRAINS/DRY STANDARD FT3 (70°F); ALL OTHER BOILERS — LBS/MILLION BTU HEAT INPUT.

*** EXIT GAS SULFUR DIOXIDE CONCENTRATIONS UNITS: PROCESS — PPM BY VOLUME, DRY BASES; BOILERS — LBS/MILLION BTU HEAT INPUT.

THE APC-22 FORM IS NOT TO BE USED FOR FILING A TITLE V OPERATING PERMIT APPLICATION

INSTRUCTIONS
EMISSION POINT DESCRIPTION (APC 22)

This form should be completed for each stack or other clearly defined point of pollutant emissions within the source.

Line 1. - The right-hand portions of the first two lines are intended for APC Division use only,

Line 2. - The process Emission Source Number should be the same as entered in Item 5 of the permit application for (APC 20). The Flow Diagram Point number should be a code that will reference the emission point in question to the process flow diagram accompanying this application.

Line 3. - Location of the emission point should be entered in either latitude & longitude to the nearest seconds, or UTM coordinates to the nearest .01 kilometer. For example 495.27 and 3948.61 are UTM horizontal and vertical coordinates respectively.

Lines 5.-6. - Complete these items only if the operational schedule of this emission point differs from the overall source operational schedule as entered in Items 4 & 5 of the Source Description Sheet (APC 21).

Line 8. - Emission estimates for each pollutant emitted from this point should be based on stack sampling results or engineering calculations. In certain cases other estimates may be accepted. Average emissions (lbs/hr) should be representative of the following:

a. For continuous or long-run, steady-state, operations it is the total weight of pollutant emitted to the atmosphere for the entire period of continuous operation or for a typical portion thereof divided by the number of hours of such period or portion thereof.

b. For cyclical or batch type operation, it is the total weight of the pollutant emitted to the atmosphere for a period which covers a complete or an integral number of cycles divided by the hours of actual process operation during such periods.

Maximum emissions (lbs/hr) should be determined by dividing the total highest emissions possible during any 3 hour period with control equipment working properly, by 3. This will be dependent upon such things, either singly or in combination, as maximum possible operating rate, a particular input material, product, or fuel which may result in increased emissions; periods of highest emissions for cyclical or batch type operations, etc. Concentrations should be determined for stack emissions only and should reflect average exit gas concentrations reported in the units specified on the Description Form.

Emission estimation method and control device descriptions, along with corresponding codes, can be found on the back of the Permit Application Form (APC 20). The codes which most accurately describe the estimation methods and control equipment used, along with the estimated control equipment efficiency should be entered for each pollutant present. Any estimation methods of control devices other than those listed in the tables should be described in the comments (Item 10).

Line 11. - Unsigned and/or undated applications will not be processed.