

(Use multiple copies of this form if you have more than one unit. One completed form AQM-1001A shall be submitted for each individual unit. For units of less than one (1) million BTU per hour capacity, applicant may submit a listing of those units, specifying type of fuel fired.)

EMISSION POINT NO.

**AQM-1001A
COMBUSTION UNIT**

1. Type of Unit:

Date Installed: / /

Original Cost of this Unit: \$

When more than one unit is present, identify with Company's Identification or code for this unit:

2. Rated Capacity-Input (BTU/hr):

(Refer to manufacturer's specifications if necessary)

3. Does this unit belong to one of the following categories? *(If Yes, check the appropriate category)*

YES

- A. Direct fired sources used solely for heating and ventilation;
 B. Unit with a capacity of less than 10 million BTU per hour input;

If the answer is YES, you are required to complete SECTION I, ONLY.

If the answer is NO, complete both SECTIONS I and II.

SECTION I, FUEL

4. Type of Primary Fuel (Check):

- A. Coal
B. Fuel Oil # 1
C. Natural Gas
D. Propane
E. Butane
F. Wood
G. Other – Describe

5. Secondary Fuel (if any, specify type):

6. FUEL COMPOSITION

Type	Percent Ash ^a		Percent Sulfur ^b		MAXIMUM HEAT CONTENT BTU/Unit Quantity ^{c,d}
	Maximum	Average	Maximum	Average	
Primary					
Secondary					

7. Maximum Fuel Usage Rate to which permit will be conditioned (Please specify units):

MONTH	RESPECTIVE QUANTITIES ^d	
	PRIMARY	SECONDARY
JANUARY		
FEBRUARY		
MARCH		
APRIL		
MAY		
JUNE		
JULY		
AUGUST		
SEPTEMBER		
OCTOBER		
NOVEMBER		
DECEMBER		
YEARLY TOTAL →		

^aAs received basis, Proximate Analysis for Ash.

^bAs received basis, Ultimate Analysis for Sulfur.

^cHigher Heating Value, BTU/unit.

^dSuggested units are: tons for solid fuel, 1,000 gallons for liquid fuels and 1,000 cubic feet for gaseous fuels. If other units are used, please specify:

8. Maximum operating schedule for this unit:

hours/day days/week weeks/year

9. IMPORTANT. Complete AQM-1001K for Air Pollution Control Equipment and stack parameters. If there is no control equipment, complete only Section 1 of AQM-1001K.

10. Coal-Fired Unit

Fly Ash Reinjection: YES

- | | |
|---|---|
| <input type="checkbox"/> Pulverized
<input type="checkbox"/> Dry Bottom
<input type="checkbox"/> Wet Bottom

<input type="checkbox"/> Cyclone
<input type="checkbox"/> Other (<i>specify</i>): | <input type="checkbox"/> Stoker-fired
<input type="checkbox"/> Spreader Stoker
<input type="checkbox"/> Other Stoker

<input type="checkbox"/> Hand Fired |
|---|---|

11. Oil-fired Unit

- Tangentially-fired Horizontally-fired

12. Wood-fired Unit

Fly Ash Reinjection: YES

- Pile Thin Bed Cyclonic

13. Combustion Air

Draft: Natural

Forced Pressure lbs/in²

Percent excess air (air supplied in excess of theoretical air) %

14. Additional Stack Data:

- A. Number of sampling ports provided:
- B. Nearest distance from sampling port downstream to stack outlet, or first bend or obstruction: ft.
- C. Nearest distance from sampling port upstream to last bend or obstruction: ft.
- D. List of other sources vented to this stack:

15. Attach manufacturer's specifications and guaranteed performance data for the combustion unit and air pollution control equipment. Include information concerning fuel input, burners and combustion chamber dimensions.

16. Describe fuel transport, storage methods and related dust control measures, including ash disposal and control.