

SECTION I. SUMMARY SHEET *(Continued) (Make additional copies, if necessary)*

AQM-1001K

(Continued)

EMISSION POINT NUMBER	NAME AND CHEMICAL COMPOSITION OF POLLUTANTS	POLLUTANT LOADING <i>(Specify Limits)</i>		AMOUNT EMITTED		BASIS OF ESTIMATE <i>(Attach copies of calculations)</i>
		INLET	OUTLET	MAXIMUM <i>(lb/hr)</i>	MAXIMUM <i>(tons/yr)</i>	

SECTION I.		(CONTINUED)	
The basis for all efficiency estimates should be given and supported with documentation and a detailed explanation of the method of calculation and the source of information. Submit all pertinent drawings.			
Describe briefly the disposal of particulates collected, scrubbing liquid and/or other wastes generated at the plant site:			
SECTION II. SPECIFIC CONTROL EQUIPMENT			
ADSORPTION UNIT			
1. EMISSION POINT NUMBER OF ADSORPTION UNIT:			
2. MANUFACTURER <i>or</i> Description:			
3. ADSORBENT: Activated Charcoal: Type: Other: <i>(specify):</i>			
4. ADSORBATE(S):			
5. NUMBER OF BEDS:		6. WEIGHT OF ADSORBENT PER BED: lb	
7. DIMENSIONS OF BED: Thickness in direction of gas flow: inches Cross-sectional area: square inches			
8. INLET GAS TEMPERATURE: °F		9. PRESSURE DROP ACROSS UNIT: inch water gauge	
10. TYPE OF REGENERATION <input type="checkbox"/> Replacement <input type="checkbox"/> Steam <input type="checkbox"/> Other (Specify):			
11. METHOD OF REGENERATION <input type="checkbox"/> Alternate Use of Beds <input type="checkbox"/> Source Shut-down <input type="checkbox"/> Other (specify):			
12. TIME ON-LINE BEFORE REGENERATION: minutes		13. EFFICIENCY OF ADSORBER: %	

AFTERBURNER <i>(Incinerator for Air Pollution Control)</i>	
1. EMISSION POINT NUMBER OF AFTERBURNER:	
2. MANUFACTURER <i>or Description</i> :	
3. COMBUSTION CHAMBER DIMENSIONS: (Provide for <i>all</i> chambers): Length: inches Cross-Sectional Area: square inches	
4. INLET GAS TEMPERATURE: °F	5. OPERATING TEMPERATURE OF CHAMBER: °F
6. TYPE OF AUXILIARY FUEL: HIGHER HEATING VALUE: % SULFUR: Maximum: Average: % ASH: Maximum: Average: MAXIMUM HOURLY FUEL USAGE (<i>specify units</i>): Hourly: Average:	
7. BURNERS PER AFTERBURNER: @ BTU/hr, each	
8. CATALYST USED: YES Describe Catalyst:	
9. HEAT EXCHANGER USED: YES Describe Heat Exchanger:	
10. GAS FLOW RATE: SCFM (at 68°F)	11. EFFICIENCY OF AFTERBURNER: %
12. COMPOSITION OF WASTE COMBUSTED:	
13. MAXIMUM QUANTITY OF WASTE COMBUSTED (specify units): Per Hour: Per Year:	
14. INCINERATOR RESIDENCE TIME: sec.	15. MOISTURE CONTENT OF EXHAUST GAS: %

CONDENSER

1. EMISSION POINT NUMBER OF THE CONDENSER:	
2. MANUFACTURER <i>or Description</i> :	
3. HEAT EXCHANGER AREA: square feet	4. COOLANT FLOW RATE: <input type="checkbox"/> Water gpm <input type="checkbox"/> Air scfm <input type="checkbox"/> Other specify:
5. GAS FLOW RATE: scfm	6. COOLANT TEMPERATURE: in: °F out: °F
7. GAS TEMPERATURE: in: °F out: °F	8. EFFICIENCY OF CONDENSER: %
9. COMPOSITION OF THE GAS AT THE: a. inlet: b. outlet:	

ELECTROSTATIC PRECIPITATOR

1. EMISSION POINT NUMBER OF PRECIPITATOR:	
2. MANUFACTURER <i>or Description</i> :	
3. COLLECTING ELECTRODE AREA: square feet	
4. GAS FLOW RATE: scfm	5. EFFICIENCY: %
6. VOLTAGE ACROSS THE PRECIPITATOR PLATES:	7. RESISTIVITY OF POLLUTANTS:
8. NUMBER OF STAGES IN THE PRECIPITATOR:	

CYCLONE

1. EMISSION POINT NUMBER OF CYCLONE:

2. MANUFACTURER or Description:

3. TYPE OF CYCLONE: Single

4. NUMBER OF CYCLONES IN MULTIPLE CYCLONE:

5. GAS FLOW RATE: scfm

6. EFFICIENCY: %

7. DESCRIPTION AND SKETCH, WITH DIMENSIONS, FOR APPROPRIATE CYCLONE.
ALTERNATELY, PROVIDE MANUFACTURER'S DESCRIPTION WITH DRAWINGS, INCLUDING DIMENSIONS:**TANGENTIAL INLET CYCLONE****AXIAL INLET CYCLONE**

FILTER UNIT

1. EMISSION POINT OF FILTER UNIT:	
2. MANUFACTURER or Description:	
3. FILTERING MATERIAL:	4. FILTERING AREA:
5. CLEANING METHOD <input type="checkbox"/> Shaker <input type="checkbox"/> Reverse Air <input type="checkbox"/> Pulse Jet <input type="checkbox"/> Other (<i>specify</i>):	
6. GAS COOLING METHOD <input type="checkbox"/> Ductwork Length: ft Diameter: inches <input type="checkbox"/> Heat Exchanger <input type="checkbox"/> Bleed-In Air <input type="checkbox"/> Water Spray <input type="checkbox"/> Other (<i>specify</i>):	
7. GAS FLOW RATE (from source): scfm	8. COOLING GAS FLOW RATE: Bleed-in Air: scfm Water Spray: gpm
9. INLET GAS CONDITION: Temperature: °F Dew Point: °F	10. EFFICIENCY OF FILTER UNIT: %

SCRUBBER

1. EMISSION POINT NUMBER OF SCRUBBER:	
2. MANUFACTURER or Description:	
3. a. TYPE OF SCRUBBER <input type="checkbox"/> Venturi <input type="checkbox"/> Wet Fan <input type="checkbox"/> Packed Packing Type: Size: Packed Height: inches <input type="checkbox"/> Spray Number of Nozzles: Nozzle Pressure: psig <input type="checkbox"/> Other (<i>specify</i>): (<i>Attach description and sketch with dimensions</i>) b. Pressure Drop across Scrubber: inches H ₂ O	
4. TYPE OF FLOW: Co-current	
5. SCRUBBER GEOMETRY Length in direction of Gas Flow: ft Cross-Sectional Area: square ft.	
6. CHEMICAL COMPOSITION OF SCRUBBING LIQUID:	
7. SCRUBBING LIQUID FLOW RATE: gpm	8. GAS FLOW RATE: scfm
9. INLET GAS TEMPERATURE: °F	10. EFFICIENCY OF SCRUBBER: %

OTHER TYPE OF CONTROL EQUIPMENT

1. EMISSION POINT NUMBER OF "*OTHER TYPE*" OF CONTROL EQUIPMENT:
2. GENERIC NAME OF "*OTHER EQUIPMENT*":
3. MANUFACTURER *or Description*:
4. DESCRIPTION AND SKETCH, WITH DIMENSIONS, FLOW RATES AND EFFICIENCY OF "*OTHER EQUIPMENT*":

