Attachment M
Air Pollution Control Device Sheet
(CONDENSER SYSTEM)

Control Device ID No. (must match Emission Units Table):

Equipment Information and Filter Characteristics

1. Manufacturer: Model No.	2. Method: ☐ Pressure condensation ☐ Temperature condensation ☐ Surface ☐ Contact ☐ Other, specify
3. Control Device Name:	
4. Provide diagram of condenser:	
5. Provide diagram(s) of unit describing capture system with duct arrangement and size of duct, air volume, capacity, horsepower of movers. If applicable, state hood face velocity and hood collection efficiency.	
6. Heat exchanger area: ft^3	7. Reported removal efficiency: %
8. Coolant Used:	9. Refrigeration capacity: Ref. tons
10. Composition of coolant:	11. Internal operating temperature: °F
12. Specific heat of coolant: BTU/lb.°F, at 77°F	13. Temperature of condensation: °F
Average Operation:	**Maximum Operation:**
14. Coolant Temperature: Inlet: °F Outlet: °F	15. Coolant Temperature: Inlet: °F Outlet: °F
16. Gas Temperature: Inlet: °F Outlet: °F	17. Gas Temperature: Inlet: °F Outlet: °F
18. Gas flow rate: ft^3/min	19. Gas flow rate: ft^3/min
20. Coolant flow rate per condenser: Type: Water: gal/min Air: ft^3/min Other: lb/hour	21. Coolant flow rate per condenser: Type: Water: gal/min Air: ft^3/min Other: lb/hour
22. Efficiency of condenser: %	23. Efficiency of condenser: %
24. Condenser surface area: ft^2	25. Condenser surface area: ft^2

26. Pollutant	Guaranteed Minimum Control Efficiency %	Concentration ppmv	Specific Heat BTU/lb-mol °F	Heat of Vaporation BTU/lb-mol
A				
B				
C				
D				
E				
F				
G				
Total Concentration in ppmv				

Emission Gas (Vapor) Stream

27. **Before Condenser**		28. **After Condenser**	
Inlet vapor flow rate:	ft^3/min	Inlet vapor flow rate:	ft^3/min
Influent vapor temperature:	°F	Influent vapor temperature:	°F
Effluent vapor temperature:	°F	Effluent vapor temperature:	°F

29.	INLET			OUTLET		
Pollutant	**Vapor Pressure**	**Condensation Temperature**	**Rate lb/hr**	**Rate lb/hr**	**Vapor Pressure**	**Condensation Temperature**
A						
B						
C						
D						
E						
F						
G						
Total of the POLLUTANT lb/hr						

30. Moisture content: %

31. Describe any air pollution control device inlet and outlet gas conditioning processes (e.g., gas cooling, gas reheating, gas humidification):

32. Describe the collection material disposal system:

33. Have you included ***Condenser Control Device*** in the Emissions Points Data Summary Sheet?

34. **Proposed Monitoring, Recordkeeping, Reporting, and Testing**
Please propose monitoring, recordkeeping, and reporting in order to demonstrate compliance with the proposed operating parameters. Please propose testing in order to demonstrate compliance with the proposed emissions limits.

MONITORING:	RECORDKEEPING:
REPORTING:	TESTING:

MONITORING: Please list and describe the process parameters and ranges that are proposed to be monitored in order to demonstrate compliance with the operation of this process equipment or air control device.

RECORDKEEPING: Please describe the proposed recordkeeping that will accompany the monitoring.

REPORTING: Please describe any proposed emissions testing for this process equipment on air pollution control device.

TESTING: Please describe any proposed emissions testing for this process equipment on air pollution control device.

35. Manufacturer's Guaranteed Capture Efficiency for each air pollutant.

36. Manufacturer's Guaranteed Control Efficiency for each air pollutant.

37. Describe all operating ranges and maintenance procedures required by Manufacturer to maintain warranty.