Attachment M Air Pollution Control Device Sheet

(FLARE SYSTEM)

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

Equipment Information

1.	Manufacturer: Model No.	2. Method:			
3.	Provide diagram(s) of unit describing capture syste capacity, horsepower of movers. If applicable, state	em with duct arrangement and size of duct, air volume, hood face velocity and hood collection efficiency.			
4.	Method of system used: ☐ Steam-assisted ☐ Air-assisted	☐ Pressure-assisted ☐ Non-assisted			
5.	Maximum capacity of flare: scf/min	6. Dimensions of stack:			
		Diameter ft.			
7.	Estimated combustion efficiency: (Waste gas destruction efficiency) Estimated: % Minimum guaranteed: %	Height ft. 8. Fuel used in burners: Natural Gas Fuel Oil, Number Other, Specify:			
9.	Number of burners:	11. Describe method of controlling flame:			
	Rating: BTU/hr				
10.	Will preheat be used? Yes No				
12.	Flare height: ft	14. Natural gas flow rate to flare pilot flame per pilot light: scf/min			
13.	Flare tip inside diameter: ft	scf/hr			
15.	Number of pilot lights:	16. Will automatic re-ignition be used?			
	Total BTU/hr	☐ Yes ☐ No			
17.	If automatic re-ignition will be used, describe the met	hod:			
	18. Is pilot flame equipped with a monitor? If yes, what type? Ultra Violet Camera with monitoring control room Other, Describe:				
19.	19. Hours of unit operation per year:				

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Steam Injection

				.,				
20.	. Will steam injection be used	d? ☐ Yes	☐ No	21.	Steam pressure Minimum Expected:		PSIG	
22.	. Total Steam flow rate:		LB/hr	23.	Temperature:		°F	
24.	. Velocity		ft/sec	25.	Number of jet streams			
26.	Diameter of steam jets:		in		Design basis for steam in	njected:		
28	·			LB steam/LB hvdrocarbon				
20.	28. How will steam flow be controlled if steam injection is used?							
				e G	as Stream to be Burned			
29.	Name	Quar Grains of F	ntity 1 ₂ S/100 ft ³		Quantity (LB/hr, ft ³ /hr, etc)	Source o	f Material	
30.	Estimate total combustible to flare: LB/hr or ACF/hr							
31.	(Maximum mass flow rate of Estimated total flow rate to		materials to	be	burned, carrier gases, au	xiliary fuel, etc	•	
		_	or ACF/hr		James, James Gasse, aa	7a. y 1.a.c., 2.10		
32.	2. Give composition of carrier gases:							
33.	. Temperature of emission st	ream:		34.	Identify and describe all	auxiliary fuels t	o be burned.	
		°F					BTU/scf	
	Heating value of emission s	Heating value of emission stream: BTU/ft ³ Mean molecular weight of emission stream:					BTU/scf	
	Mean molecular weight of e						BTU/scf	
	MW = Ib/Ib-m						BTU/scf	
35.	. Temperature of flare gas:	°F		36.	Flare gas flow rate:	scf/min		
37.	Flare gas heat content:	BTU/ft ³		38.	Flare gas exit velocity:	scf/mir	1	
39.	. Maximum rate during emer	gency for one r	major piece	of e	equipment or process unit:	: scf/	min min	
	Maximum rate during emergency for one major piece of equipment or process unit:							
41.	 Describe any air pollution control device inlet and outlet gas conditioning processes (e.g., gas cooling, gas reheating, gas humidification): 							
42.	2. Describe the collection material disposal system:							
43.	B. Have you included <i>Flare Control Device</i> in the Emissions Points Data Summary Sheet?							

Please propose m	g parameters. Please propose	and Testing eporting in order to demonstrate compliance with the testing in order to demonstrate compliance with the RECORDKEEPING:				
REPORTING:		TESTING:				
MONITORING:	monitored in order to demons	ocess parameters and ranges that are proposed to be strate compliance with the operation of this process				
RECORDKEEPING: REPORTING: TESTING:	Please describe any proposed pollution control device.	cordkeeping that will accompany the monitoring. emissions testing for this process equipment on air emissions testing for this process equipment on air				
	pollution control device.					
45. Manufacturer's Gua	aranteed Capture Efficiency for ea	ar all pollutarit.				
46. Manufacturer's Guaranteed Control Efficiency for each air pollutant.						
47. Describe all operati	ng ranges and maintenance proce	edures required by Manufacturer to maintain warranty.				