# Attachment L Emission Unit Data Sheet

(INCINERATOR)

Control Device ID No. (must match List Form):

## **Equipment Information**

1.	Manufacturer:		2.	Model No.			
3.	On a separate sheet sketch or draw the proout) of (1) the primary combustion chamber auxiliary burners, and (5) dampers with specombustion chambers (inside). Also, sketcombustion chamber.	er, (2) the ecial emp	e sec ohasi	ondary combust s on dimension	ion chamb s of the fl	er, (3) the flance ame port an	ame port, (4) d secondary
4.	Rated capacity of the incinerator for the type	of waste	e to b	e burned: Maxii	mum:		lb/hr
				Typic	al:		lb/hr
				Annu	al:		tons/yr
5.	By what means is waste charged?				odically		
6.	Type: Multiple Chamber Single C	hamber		Other, specify	:		
7.	Projected operating schedule:		h	nr/day			day/yr
	Primar	y Comb	ustio	n Chamber			
8.	Volume:	ft <sup>3</sup>	9.	Effective grate a	rea:		ft <sup>2</sup>
10.	Maximum temperature:	°F	11.	Burning rate:			lb/ft²/hr
12.	Heat release in primary chamber:		13.	Total heat releas	e in incine	rator:	
	вт	U/hr/ft <sup>3</sup>					BTU/hr/ft <sup>3</sup>
	Seconda	ary Com	busti	ion Chamber			
14.	Volume:	ft <sup>3</sup>	15.	Cross sectional	area:		ft <sup>2</sup>
16.	Volume of gas through secondary con	nbustion	17.	Gas velocity	through	secondary	combustion
	chamber: ACFM @	°F		chamber:			ft/sec
18.	Minimum gas temperature:	°F	19.	Minimum retention	on time of	gas:	sec
20.	Minimum distance of gas travel through se	condary	21.	Location of air a	dmission:		
	combustion chamber:	ft					
	Flame Port						
22.	Flame port area:	ft <sup>2</sup>	23.	Velocity through	flame port	:	ft/sec
	Dampers						
24.	Type:		25.	Number			
26	Diameter:	inches	27	Canacity:	Δ	CFM @	°F

Page 1 of 5 Revision 03/2007

### **Combustion Air**

28. Type of draft: Natural Sliding damper Forced	29. If draft is forced or induced, describe ID fans or blowers:					
☐ Sliding damper ☐ Forced ☐ Barametric damper ☐ Induced	Number					
Windshielding? ☐ Yes ☐ No	HP rating HP					
30. Theoretical air/refuse ratio: lb air/lb refuse	Rated flow ft <sup>3</sup> /min					
31. Percent of total air applied as:	Rated speed RPM					
overfire air	Fan rated draft in. H <sub>2</sub> O					
underfire air						
	Auxiliary Burners					
32. Proposed type and fuel:						
33. Primary Burner	34. Secondary Burner					
Capacity: MMBTU/hr	Capacity: MMBTU/hr					
Number:	Number:					
Manufacture:	Manufacture:					
Model:	Model:					
Estimated capacity: BTU/hr	Estimated capacity: BTU/hr					
Fuel:	Fuel:					
How controlled?	How controlled?					
Is there a temperature indicator?  Yes No	Is there a temperature indicator?   Yes   No					
Miscellaneous De 35. Automatic loading device. ☐ Yes ☐ No	evices and Controls  36. Self closing doors.  Yes No					
If yes, describe.	36. Self closing doors.					
37. Sparks arrestor ☐ Yes ☐ No	38. Flame failure protection equipment ☐ Yes ☐ No					
39. Method of creating turbulence for combustion gases. Describe.	40. Method of cleaning secondary or settling chamber. Describe.					
41. Other interlocking devices or controls. If yes, describe.						
Installation						
42. Indoor Installation:  Yes  No	43. Outdoor Installation:  Yes No					
If yes, describe method of supplying combustion air.						

Page 2 of 5 Revision 03/2007

### **Stack or Vent Data**

44. Inside diameter or dimensions: ft	45. Gas exit temperature: °F					
46. Height: ft	47. Stack serves:					
48. Gas flow rate: ft/min	<ul> <li>Other equipment also (submit type and rating of all other equipment exhausted through this stack</li> </ul>					
49. Estimated percent of moisture: %	or vent)					
Wa	aste					
50. Source of waste: Hospital Restaura	,					
☐ Crematory ☐ Warehouse ☐ Public In:						
51. Describe fully, in detail, the composition of waste feet	51. Describe fully, in detail, the composition of waste feed to the incinerator:					
52. Expected BTU/lb as fired: BTU/lb	53. Daily amount: lb					
54. Does incinerator have a charge hopper	55. What is the volume of the charge hopper?					
☐ Yes ☐ No	ft <sup>3</sup>					
56. Does the charge hopper have automatic control? ☐ Yes ☐ No	57. Is the waste charged to the incinerator weighed? ☐ Yes ☐ No					
58. Is the secondary chamber preheated prior to charging waste? ☐ Yes ☐ No	59. At what secondary temperature does waste charging begin? °F					
60. Is the ash waste quenched?	61. Is all the waste burned generated on site? ☐ Yes ☐ No					
62. For hospital waste, is the ash inspected for recognizable combustible components?   Yes   No						
63. For hospital waste, are recognizable combustible con	63. For hospital waste, are recognizable combustible components of the ash reburned?   Yes   No					
64. Is any waste received from outside the local government	nent boundary?					
65. Are hazardous or special waste burned?	66. Are potential infectious waste burned?					
☐ Yes ☐ No	☐ Yes ☐ No					
If yes, please describe:						
67. How will the waste material from process and control	aguinment he disposed of?					
or. Flow will the waste material from process and control	equipment be disposed or:					
68. Method of charging waste solids:	69. Method of feeding liquids: Lab pack					
☐ Manual ☐ Manual charge hopper	☐ Injection as a primary burner fuel					
☐ Automatic charge hopper☐ Other, specify:	<ul><li>☐ Injection as a secondary burner fuel</li><li>☐ Other, specify:</li></ul>					
70. Rated steam flow – heat recovery boiler:	71. Rated pressure – recovery boiler:					
lbs/hr	PSIG					

Page 3 of 5 Revision 03/2007

#### **Emissions Stream**

72.	Emission rates:		1			1		
-	Pollutant	Pounds per Hour lb/hr	grain/ACF	e @ °F	PSIA	Tons per Year Tons/yr	Parts per Million ppm	
	СО							
-	Hydrocarbons							
-	NO <sub>x</sub>							
-	Pb							
-	PM <sub>10</sub>							
-	SO <sub>2</sub>							
-	VOCs							
-	Other (specify)							
-								
-								
-								
73.	73. If an <i>Air Pollution Control Device</i> is not submitted, the emission rates should be the same as those reported home "Maximum Potential and Maximum Actual Emissions" on the <i>Emission Points Data Summary Sheet</i> .							
74.	Emissions rates should	d be substantiated by	y submitting	stack tes	t data and	l/or calculations.		
			Fuel Usa	ge Data				
	Estimated annual fuel		\$			Net and O	70	
76.	J	iring rate: Maximum: mmBTU/hr		77. Fuel type: Natural Gas Coal				
	Typical: mmBTU/hr			☐ Fuel Oil, No.				
	Design: mmBTU/hr			Other, specify:				
	Typical heating content of fuel:			79. Typical fuel sulfur content: wt. %				
	Typical fuel ash conter			81. Annual fuel usage:				
82.	2. Please complete an Air Pollution Control Device Sheet(s) for the control(s) used on this Emission Unit, if applicable.							
83.	3. Have you included the <i>air pollution rates</i> on the Emissions Points Data Summary Sheet?							

84.	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 PLAN: Please list (1) describe the process parameters and how they were chosen (2) the
	ranges and how they were established for monitoring to demonstrate compliance with the operation of this
	process equipment operation or air pollution control device.
	TESTING PLAN: Please describe any proposed emissions testing for this process equipment or air pollution
	control device.
	RECORDKEEPING: Please describe the proposed recordkeeping that will accompany the monitoring.
	TEOCHER III. I loade describe the proposed resoranceping that him describedly the members.
	REPORTING: Please describe the proposed frequency of reporting of the recordkeeping.
	The ase describe the proposed frequency of reporting of the recordice ping.
25	Disconding the continuous for a second section of the continuous for t
35.	Please describe all operating ranges and maintenance procedures required by Manufacturer to maintain warranty.
	warranty.