

US EPA ARCHIVE DOCUMENT

	B	C
1	Source Description	
2		
3	Phase II ID No.	763
4	EPA ID No.	SCD043384072
5	Facility Name	Albermarle Corp.
6	Facility Location	
7	City	Orangeburg
8	State	SC
9	Unit ID Name/No.	Unit No. 4
10	Other Sister Facilities	None
11	Number of Sister Facilities	0
12	Combustor Class	Liquid -fired boiler
13	Combustor Type	Liquid-fired
14	Combustor Characteristics	?
15	Capacity (MMBtu/hr)	25
16	Soot Blowing	Yes, every 5 minutes
17	APCS Detailed Acronym	FF
18	APCS General Class	FF
19	APCS Characteristics	Fabric Filter
20	Hazardous Wastes	Liq
21	Haz Waste Description	Liquid wastes
22	Supplemental Fuel	?
23		
24	Stack Characteristics	
25	Diameter (ft)	2
26	Height (ft)	36
27	Gas Velocity (ft/sec)	45
28	Gas Temperature (°F)	383
29		
30	Permitting Status	Tier I for all metals (spiked ash and chlorine)
	HWC Burn Status (Date if	
31	Terminated)	

	B	C
1	Cond Description	
2		
3	763C1	
4		
5	Report Name/Date	RCRA Boiler and Industrial Furnace Recertification of Compliance Report Boiler No. 4, November 1999
6	Report Prepare	IT Corporation
7	Testing Firm	IT Corporation
8	Testing Dates	August 11-12, 1999
9	Cond Dates	Aug-99
10	Condition Descr	CoC; near max waste load
11	Content	PM, CO, HCl/Cl ₂ in stack gas; metals, ash, Cl in feed

	B	C	D	E	F	G	H	I	J	K	L	M
1	Stack Gas Emissions											
2												
3		Comments	Units	7% O2								
4												
5												
6	763C1					R1	R2	R3	Cond	Avg		
7												
8	PM		gr/dscf	n		0.0068	0.007	0.0065				
9	CO (RA)	E1	ppmv	y		52	35	27			38.0	
10	CO (MHRA)	E1	ppmv	y		77	66	90			77.7	
11	HCl		lb/hr			27.752	29.365	28.356				
12	Cl2		lb/hr			0.039	0.068	0.058				
13												
14	Sampling Train	PM, HCl/Cl2	E1									
15	Stack Gas Flowrate		dscfm			4277	4585	4738			4533	
16	O2		%			2	5	4.2			3.7	
17	Moisture		%			13.6	13.5	12.4			13.2	
18	Temperature		°F			378	383	387			382.7	
19												
20	PM	E1	gr/dscf	y		0.0050	0.0061	0.0054			0.0055	
21	HCl	E1	ppmv	y		853.7	1000.6	890.5			914.9	
22	Cl2	E1	ppmv	y		0.6	1.2	0.9			0.9	
23	Total Chlorine	E1	ppmv	y		854.9	1003.0	892.4			916.8	

	A	B	C
1	Process Information		
2			Cond Avg
3	763C1		
4			
5	Boiler Temp	°F	1950
6	Steam Prod	lb/hr	17350
7	Baghouse Temp	°F	425