

US EPA ARCHIVE DOCUMENT

	B	C
1	Source Description	
2		
3	Phase I ID No.	680
4	EPA ID No.	SCD003351699
5	Facility Name	Giant Cement Company
6	Facility Location	
7	City	Harleyville
8	State	SC
9	Unit ID Name/No.	Kiln No.3
10	Other Sister Facilities	None
11	Number of Sister Facilities	0
12	Combustor Class	Cement Kiln (CK)
13	Combustor Type	Wet, long
14	Combustor Characteristics	
15	Capacity (MMBtu/hr)	
16	APCS Detailed Acronym	FF
17	APCS General Class	FF
18	APCS Characteristics	Fuller
19	Hazardous Wastes	Liq
20	Haz Waste Description	
21	Supplemental Fuel	Coal
22		
23	Stack Characteristics	
24	Diameter (ft)	7.9
25	Height (ft)	150.0
26	Gas Velocity (ft/sec)	15.5
27	Gas Temperature (°F)	350.7
28		
29	Permitting Status	
30	HWC Burn Status (Date if Terminated)	

	B	C
1	Condition Description	
2		
3	680C1	
4		
5	Report Name/Date	Metals and HCl/Cl ₂ Source Emission Test on No. 3 Kiln Baghouse Exhaust, Giant Cement Co., Harleyville, SC, prepared by Davis and Floyd
6	Report Prepare	Davis and Floyd
7	Testing Firm	Davis and Floyd
8	Cond Descr	?
9	Testing Dates	November 11, 1993
10	Cond Dates	Nov-93

	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Stack Gas Emissions 2													
2														
3														
4	680C1					R1	R2	R3		Cond Avg				
5														
6	PM	E2	gr/dscf	y		0.02264	0.01406	0.01595		0.01755				
7	HCl	E2	ppmv	y		81.55	115.38	157.14		118.03				
8	Cl2	E2	ppmv	y		47.57	1.54	4.00		17.70	high outlier run 1			
9	Total Chlorine	E2	ppmv	y		176.70	118.46	165.14		153.43				
10	Antimony	E2	ug/dscm	y		9.75	9.37	10.34		9.82				
11	Arsenic	E2	ug/dscm	y		0.82 nd	1.83 nd	1.93		1.53				
12	Barium	E2	ug/dscm	y		15.09	14.31	12.63		14.01				
13	Beryllium	E2	ug/dscm	y	nd	0.65 nd	0.91 nd	0.96	100	0.84				
14	Cadmium	E2	ug/dscm	y		18.08	24.77	29.14		24.00				
15	Chromium	E2	ug/dscm	y		50.70	37.38	38.00		42.03				
16	Lead	E2	ug/dscm	y		231.07	296.92	357.14		295.04				
17	Mercury	E2	ug/dscm	y		25.96	27.54	26.71		26.74				
18	Nickel	E2	ug/dscm	y		19.57	15.35	13.14		16.02				
19	Selenium	E2	ug/dscm	y		57.90	9.66	50.14		39.24				
20	Silver	E2	ug/dscm	y		1.50 nd	1.83 nd	1.93		1.75				
21	Thallium	E2	ug/dscm	y	nd	0.65 nd	0.91 nd	0.96		0.84				
22	SVM	E2	ug/dscm	y		249.15	321.69	386.29		319.04				
23	LVM	E2	ug/dscm	y		52.17	40.13	40.89		44.40				
24														
25	Sampling Train	Cr Hex	E1											
26	Stack Gas Flowrate	dscfm				30404	29937	26581						
27	O2	%				16.2	17	16.6						
28	Moisture	%				5.7	5	5.4						
29	Temperature	°F				350	351	344						
30														
31	Sampling Train	Metals	E2											
32	Stack Gas Flowrate	dscfm				28555	27176	25752						
33	O2	%				16.2	17	16.6						
34	Moisture	%				7.5	5.9	5.1						
35	Temperature	°F				362	339	345						

	B	C
1	Feedstream 2	
2		
3	680 C1	
4		
5	No feedrate information available	