

US EPA ARCHIVE DOCUMENT

Data Summary: Solid Fuel Boilers, Particulate Matter

	1	2	3	4	5	6	7	8	13	15	16	17	18	19	20	21
2	Source ID	Cond ID	Facility Information		Combustor Information			APCS	Hazardous	Munitions	Chemical	Mixed	Comm	Gov't	Condition Information	
3	Number	Number	Facility Name	City	Combustor	Combustor	Combustor	Detailed	Wastes	Popping	Weapons	Radioactive	vs On-site	Cond	Cond Description	
4					Category	Class	Type	Acronym		Furnace	Demil	Waste		Dates		
5																
6	1009	1009C2	Eastman Chemicals Co. - Batesville		Coal boiler	Coal-fired boiler	Stoker	ESP	Liq	No	No	No	OS	No	4/1/1999 Trial burn, risk burn; max conditions for fee	
7	1009A	1009C2	Eastman Chemicals Co. - Batesville		Coal boiler	Coal-fired boiler	Stoker	ESP	Liq	No	No	No	OS	No	4/1/1999 Trial burn, risk burn; max conditions for fee	
8	1011	1011C1	Eastman Chemicals Co. - Kingsport		Coal boiler	Coal-fired boiler	Stoker	ESP	Sludge	No	No	No	OS	No	2/1/1998 CoC; max feedrates	
9	1011A	1011C1	Eastman Chemicals Co. - Kingsport		Coal boiler	Coal-fired boiler	Stoker	ESP	Liq, sludge	No	No	No	OS	No	2/1/1998 CoC; max feedrates	
10	1011B	1011C1	Eastman Chemicals Co. - Kingsport		Coal boiler	Coal-fired boiler	Stoker	ESP	Liq, sludge	No	No	No	OS	No	2/1/1998 CoC; max feedrates	
11	1012	1012C1	Eastman Chemicals Co. - Kingsport		Coal boiler	Coal-fired boiler	Stoker	ESP	Biosludge	No	No	No	OS	No	6/1/1997 CoC; max feedrates	
12	1012A	1012C1	Eastman Chemicals Co. - Kingsport		Coal boiler	Coal-fired boiler	Stoker	ESP	Liq	No	No	No	OS	No	6/1/1997 CoC; max feedrates	
13	1013	1013C10	Celanese	Pampa	Coal boiler	Coal-fired boiler	Pulverized	FF	Liq	No	No	No	OS	No	9/1/1998 CoC; max waste feed rate	
14	1014	1014C10	Celanese	Pampa	Coal boiler	Coal-fired boiler	Pulverized	FF	Liq	No	No	No	OS	No	9/1/1998 CoC; max waste feed rate	
15	719	719C10	Eastman Chemicals Co. - Kingsport		Coal boiler	Coal-fired boiler	Stoker	ESP	Liq, sludge	No	No	No	OS	No	6/1/1998 CoC; max feedrates	
16	719A	719C10	Eastman Chemicals Co. - Kingsport		Coal boiler	Coal-fired boiler	Stoker	ESP	Liq, sludge	No	No	No	OS	No	6/1/1998 CoC; max feedrates	
17	908	908C1	Union Carbide Corporatio	South Charleston	Coal boiler	Coal-fired boiler	Pulverized	ESP	Liq	No	No	No	OS	No	5/1/1998 CoC, max haz waste feed rate, max load	

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	2	29	30	31	32	34	36	38	56	58	60	61	62	63	64
2	Cond ID	Sootblow	PM Emissions			PM Stack Emission (gr/dscf) - ND in %					Ash SRE				
3	Number	Run	Campaign	Rating	Rating Comments	R1	R2	R3	R SB	Cond Avg	No SB	Campaign	Rating	Comment	
4		Number	Number								Cond Avg	Number			
5															
6	1009C2	No		1 CT	diatomaceous earth added to coal	0.0397	0.0357	0.0307		0.0352	0.0352		1 CT		
7	1009C2	No		1 NA	diatomaceous earth added to coal, data in lieu	0.0397	0.0357	0.0307		0.0352	0.0352		1 NA	Data in lieu	
8	1011C1	R3		1 CT		0.0375	0.0149		0.0291	0.0263	0.0262		1 CT		
9	1011C1	R3		1 NA	Data in lieu	0.0375	0.0149		0.0291	0.0263	0.0262		1 NA	Data in lieu	
10	1011C1	R3		1 NA	Data in lieu	0.0375	0.0149		0.0291	0.0263	0.0262		1 NA	Data in lieu	
11	1012C1	R3		1 CT	Run 2 had outlier PM level of > 0.10; not used	0.0248			0.0098	0.0173	0.0248		1 CT		
12	1012C1	R3		1 NA	Run 2 had outlier PM level of > 0.10; not used; data in lieu	0.0248			0.0098	0.0173	0.0248		1 NA	Data in lieu	
13	1013C10	R3		1 CT		0.0272	0.0217		0.0243	0.0244	0.0245		1 CT		
14	1014C10	R3		1 CT		0.0181	0.0234		0.0138	0.0184	0.0208		1 CT		
15	719C10	R3		1 CT	Run 1 sample train failed leak check		0.0274		0.0182	0.0269	0.0274		1 CT		
16	719C10	R3		1 NA	Run 1 sample train failed leak check, data in lieu		0.0274		0.0182	0.0269	0.0274		1 NA	Data in lieu	
17	908C1	R3		1 CT		0.0517	0.0224		0.0228	0.0365	0.0371		1 CT		

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2	65	66	67	68	69	80	81	82	83	84	85	86	87	88	89	90	91	10	103	104	105	10	107	108	109	111	113	
2	Cond ID	Ash SRE (%)										Ash SRE Used for Ranking Purposes (%)										Ash Feedrate, Cond Avg (mg/dscm)						
3	Number	R1	R2	R3	R SB	Cond Avg	No SB	Cond Avg	R1	R2	R3	R SB	Cond Avg	No SB	Cond Avg	HW	Spike	Coal	Total									
4																												
5																												
6	1009C2	99.532	99.642	99.636		99.600	99.600	99.532	99.642	99.636		99.600	99.600	99.532	99.642	99.636		99.600	99.600	0	0	20,143	20,143					
7	1009C2	99.532	99.642	99.636		99.600	99.600	99.532	99.642	99.636		99.600	99.600	99.532	99.642	99.636		99.600	99.600	0	0	20,143	20,143					
8	1011C1	98.890	99.504		99.076	99.157	99.197	98.890	99.504		99.076	99.157	99.197	680			6,466	7,146										
9	1011C1	98.890	99.504		99.076	99.157	99.197	98.890	99.504		99.076	99.157	99.197	680			6,466	7,146										
10	1011C1	98.890	99.504		99.076	99.157	99.197	98.890	99.504		99.076	99.157	99.197	680			6,466	7,146										
11	1012C1	99.367			99.753	99.572	99.367	99.367			99.753	99.572	99.367	2,066			7,034	9,099										
12	1012C1	99.367			99.753	99.572	99.367	99.367			99.753	99.572	99.367	2,066			7,034	9,099										
13	1013C10	99.110	99.287		99.232	99.195	99.199	99.110	99.287		99.232	99.195	99.199	91			6,857	6,948										
14	1014C10	99.435	99.242		99.556	99.401	99.339	99.435	99.242		99.556	99.401	99.339	65	0		6,983	7,048										
15	719C10	>	99.197		99.488 >	99.228 >	99.197	>	99.197		99.488 >	99.228 >	99.197	1,086	1,454	5,300	7,841											
16	719C10	>	99.197		99.488 >	99.228 >	99.197	>	99.197		99.488 >	99.228 >	99.197	1,086	1,454	5,300	7,841											
17	908C1	98.658	99.414		99.397	99.026	99.036	98.658	99.414		99.397	99.026	99.036	17			8,574	8,591										

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2	114	115	116	117	118	119	136	137	138	139	141	143	147	163	165	166	167	169	170	171	172	173	174
2	Cond ID	Ash Total Feedrate (mg/dscm) - By Runs							Ash HW+Spike MTEC (mg/dscm)					Thermal Feed Cond Avg (MMBtu/hr)				Thermal Emiss Rating					
3	Number	R1	R2	R3	R SB	Cond Avg	R1	R2	R3	R SB	Cond Avg	HW	Coal	Total	Est Tot	Camp No	Rating	Comments					
4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
5																							
6	1009C2	19,068	22,447	18,996		20,143					10000	31.2	62.3	93.4	92.8		1 CT						
7	1009C2	19,068	22,447	18,996		20,143					10000	31.2	62.3	93.4	92.8		1 NA						
8	1011C1	7,600	6,754		7,085	7,146	544	882		615	680	10.7	171.7	182.4	191.1		1 CT						
9	1011C1	7,600	6,754		7,085	7,146	544	882		615	680	10.7	171.7	182.4	191.1		1 NA	Data in lieu					
10	1011C1	7,600	6,754		7,085	7,146	544	882		615	680	10.7	171.7	182.4	191.1		1 NA	Data in lieu					
11	1012C1	8,810	9,560		8,928	9,099	1795	2153		2249	2066	19.2	224.9	244.1	249.2		1 CT						
12	1012C1	8,810	9,560		8,928	9,099	1795	2153		2249	2066	19.2	224.9	244.1	249.2		1 NA	Data in lieu					
13	1013C10	6,874	6,851		7,119	6,948	165	81		27	91	159.9	694.4	854.3	967.7		1 CT						
14	1014C10	7,206	6,949		6,989	7,048	51	79		64	65	181.1	719.5	900.6	919.1		1 CT						
15	719C10	7,678	0	8,004		0	7,841	2581		2501	2541	74.8	334.1	408.0	489.3		1 CT						
16	719C10	7,678	0	8,004		0	7,841	2581		2501	2541	74.8	334.1	408.0	489.3		1 NA	Data in lieu					
17	908C1	8,668	8,598		8,508	8,591	19	17		17	17	25.4	250.3	275.7	305.9		1 CT						

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	2	175	176	177	178	179	186	187	188	189
2	Cond ID	PM HW Thermal Emiss (lb/MMBtu HW)								
3	Number	R1	R2	R3	R SB	Cond Avg				
4										
5										
6	1009C2									
7	1009C2									
8	1011C1	0.0837	0.0748				0.0782			0.0789
9	1011C1	0.0837	0.0748				0.0782			0.0789
10	1011C1	0.0837	0.0748				0.0782			0.0789
11	1012C1		0.6755				0.0578			0.3666
12	1012C1		0.6755				0.0578			0.3666
13	1013C10	0.0083	0.0030				0.0011			0.0041
14	1014C10	0.0014	0.0025				0.0012			0.0017
15	719C10		0.0987							0.0987
16	719C10		0.0987							0.0987
17	908C1	0.0022	0.0011				0.0012			0.0015