

US EPA ARCHIVE DOCUMENT

Data Summary: Liquid 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 Category	Combustor Class	Combustor Type	Detailed Acronym	Wastes	Popping Furnace	Weapons Demil	Radioactive Waste	vs On-site	Cond Dates	Cond Description	
5																
6	232	232C11	Solutia (Chocolate Bayou F Alvin		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	9/1/1997 Trial burn; max waste feed, max prod ra	
7	232	232C10	Solutia (Chocolate Bayou F Alvin		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	9/1/1997 Trial burn; low temp "worst-case" organi	
8	720	720C10	Celanese Ltd., Chemical G Pasadena		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	12/1/1998 Risk burn	
9	721	721C12	Celanese Ltd	Bay City	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1998 Risk burn; typical feedrate	
10	721	721C10	Celanese Ltd	Bay City	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1998 Trial burn; max waste feed	
11	724	724C2	Merichem Company	Houston	Liquid boiler	Liquid-fired boiler	Liquid-fired	Q/ME	Liq	No	No	No	OS	No	7/1/1996 CoC; max waste feed (spiked ash, chlor	
12	724	724C1	Merichem Company	Houston	Liquid boiler	Liquid-fired boiler	Liquid-fired	Q/ME	Liq	No	No	No	OS	No	5/1/1996 CoC; min combustion temp; Wet Scrubb	
13	729	729C1	Dow Chemical U.S.A. Allyr	Gales Ferry	Liquid boiler	Liquid-fired boiler	Liquid inject	None	Liq, solid	No	No	No	OS	No	6/1/1998 CoC, max waste feed rate	
14	733	733C1	Dow Chemical Co.	Torrance	Liquid boiler	Liquid-fired boiler	Liquid inject	None	Liq	No	No	No	OS	No	7/1/1992 CoC; max waste feed	
15	735	735C3	Reilly Industries, Inc.	Indianapolis	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	10/1/1999 Trial burn; max waste feedrates	
16	737	737C3	Reilly Industries, Inc.	Indianapolis	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	11/1/1999 Trial burn, high feed rate, max steam pr	
17	738	738C1	Reilly Industries, Inc.	Indianapolis	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	6/1/1996 CoC, high feed rate	
18	739	739C11	Rohm and Haas Company	Bristol	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	10/1/1998 CoC, acrylicoid coatings waste blend, ma	
19	739	739C10	Rohm and Haas Company	Bristol	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	10/1/1998 CoC, 3-stage waste bottoms (TSB)	
20	740	740C10	Rohm and Haas Texas, Inc	Deer Park	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1999 CoC; max feedrate	
21	741	741C1	Rohm and Haas Company	Louisville	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	8/1/1999 CoC; max waste feed rate, ash spiking (
22	743	743C10	Schenectady International	Freeport	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	?	No	No	No	OS	No	7/1/1996 CoC; ?	
23	746	746C10	Sterling Chemicals, Inc.	Texas City	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1997 CoC; max feedrate	
24	754	754C10	DSM Chemicals North Am	Augusta	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	11/1/1998 CoC; max feedrate	
25	756	756C11	DSM Copolymer Inc.	Addis	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	5/1/1996 CoC; max waste feed and steam prod	
26	759	759C1	E.I. duPont de Nemours &	Orange	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	6/1/1995 CoC; max comb temp, haz waste feed a	
27	760	760C1	E.I. duPont de Nemours &	Orange	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	5/31/1991 CoC; max temp, haz waste feed and prod	
28	761	761C5	E.I. duPont de Nemours &	Orange	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	12/1/1998 Risk burn	
29	761	761C3	E.I. duPont de Nemours &	Orange	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	12/1/1998 Trial burn; PM	
30	763	763C1	Albermarle Corp.	Orangeburg	Liquid boiler	Liquid-fired boiler	Liquid-fired	FF	Liq	No	No	No	OS	No	8/1/1999 CoC; near max waste load	
31	764	764C3	GE Plastics, Mt. Vernon IN	Mount Vern	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/2001 CoC, max waste and ash feed	
32	766	766C1	General Electric Plastics	Selkirk	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1998 CoC, max HW feed rate	
33	767	767C5	Goodyear Tire and Rubber	Beaumont	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	10/1/1995 CoC; max prod rate, no ash spiking	
34	767	767C2	Goodyear Tire and Rubber	Beaumont	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; less aggressive max waste feed a	
35	767	767C4	Goodyear Tire and Rubber	Beaumont	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; similar to C1 but higher prod rate,	
36	767	767C1	Goodyear Tire and Rubber	Beaumont	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; max waste feedrate and steam prod	
37	771	771C1	Kalama Chemical (BF Goo	Kalama	Liquid boiler	Liquid-fired boiler	Liquid-fired	FF	Liq	No	No	No	OS	No	6/1/1996 Trial burn; max comb temp, max prod ra	
38	771	771C2	Kalama Chemical (BF Goo	Kalama	Liquid boiler	Liquid-fired boiler	Liquid-fired	FF	Liq	No	No	No	OS	No	6/1/1996 Trial burn; min comb temp and min prod	
39	772	772C10	Lonza, Inc.	Pasadena	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	2/1/1997 CoC; max waste feedrate	
40	774	774C1	Equistar Chemicals, LP - C	Channelvie	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	9/1/1998 CoC; max feeds for T-303 bottoms and	
41	776	776C10	Monsanto (Nutrasweet Kel	Augusta	Liquid boiler	Liquid-fired boiler	Liquid-fired	QC/WS	Liq	No	No	No	OS	No	6/1/1997 CoC; max feedrate	
42	777	777C10	Monsanto (Nutrasweet Kel	Augusta	Liquid boiler	Liquid-fired boiler	Liquid-fired	QC/WS	Liq	No	No	No	OS	No	6/1/1997 CoC; max feedrate	
43	778	778C10	Mallinckrodt Inc.	Raleigh	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1998 CoC; max waste feedrate	
44	811	811C10	Fina Oil & Chemical Co.	La Porte	Liquid boiler	Liquid-fired boiler	Liquid-fired	VS	Liq	No	No	No	OS	No	12/1/1998 CoC; max feedrate	
45	811	811C11	Fina Oil & Chemical Co.	La Porte	Liquid boiler	Liquid-fired boiler	Liquid-fired	VS	Liq	No	No	No	OS	No	12/1/1998 CoC; min venturi dP	
46	812	812C2	Rubicon, Inc	Geismar	Liquid boiler	Liquid-fired boiler	Liquid-fired	Q/WS	Liq	No	No	No	OS	No	7/1/1997 Trial burn, risk burn; max feed rate	
47	813	813C2	Rubicon, Inc.	Geismar	Liquid boiler	Liquid-fired boiler	Liquid-fired	FF	Liq	No	No	No	OS	No	8/1/1997	
48	814	814C2	Rubicon, Inc	Geismar	Liquid boiler	Liquid-fired boiler	Liquid inject	None	Liq	No	No	No	OS	No	6/1/1997 Trial burn, risk burn; max feed rate	
49	815	815C2	Rubicon, Inc	Geismar	Liquid boiler	Liquid-fired boiler	Liquid inject	None	Liq	No	No	No	OS	No	6/1/1997	
50	818	818C11	Westvaco	DeRidder	Liquid boiler	Liquid-fired boiler	Liquid inject	ESP	Liq, solid	No	No	No	OS	No	6/1/1995 CoC	
51	819	819C1	Rhone-Poulenc AG Comp	Charleston	Liquid boiler	Liquid-fired boiler	Liquid-fired	ESP	Liq	No	No	No	OS	No	3/1/1998 CoC; high haz waste feed rate	
52	822	822C2	Exxon Chemical Co.	Baton Roug	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1997 Risk burn, max waste feed	
53	828	828C1	Angus Chemical Company	Sterlington	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	4/1/1997 Risk burn -- normal conditions	
54	833	833C11	BASF Corporation	Freeport	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	5/1/1998 Trial burn; HDO Heavies Waste Feeds	
55	833	833C10	BASF Corporation	Freeport	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	5/1/1998 Trial burn; Wastewater and HDO Heavies	
56	834	834C10	BASF	Geismar	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	3/1/1997 Trial burn	
57	834	834C11	BASF	Geismar	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	3/1/1997 Risk burn, worst case op cond (max tem	
58	835	835C11	BASF	Geismar	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	2/1/1997 Trial Burn	
59	835	835C10	BASF	Geismar	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	2/1/1997 Trial Burn	
60	835	835C12	BASF	Geismar	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	11/1/1997 Trial Burn	
61	836	836C12	BASF	Geismar	Liquid boiler	Liquid-fired boiler	Liquid-Fired	None	Liq	No	No	No	OS	No	11/1/1997 Trial Burn	

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	2	22	29	30	31	32	33	34	35	36	37	38	55	56	57	58	59	60	61	62	63
2	Cond ID	Ash	SB	PM Emissions			PM Stack (gr/dscf)						Ash SRE								
3	Number	Spiking	Run	Campaign	Rating	Rating Comments	R1	R2	R3	R SB	Cond Avg	No SB Run	Campaign	Rating	Comment						
4			Number	Number								Cond Avg	Number								
5																					
6	232C11	te	No		1	CT	0.0010	0.0011	0.0010		0.0010	0.0010	1	CT	PM not controlled, SRE set to 0						
7	232C10	c destructi	No		1	N	0.0018	0.0015	0.0021		0.0018	0.0018	1	NA	Normal, PM not controlled, SRE set to 0						
8	720C10	N	No		1	N					0.0001	0.0001									
9	721C12	N	No		1	N	0.0242	0.0300	0.0232		0.0258	0.0258									
10	721C10	Y	No		1	CT	0.0414	0.0457	0.0481		0.0451	0.0451	1	CT	PM not controlled, SRE set to 0						
11	724C2	Y	No		1	IB	0.0051	0.0015	0.0031		0.0032	0.0032									
12	724C1	Y	No		1	CT	0.0075	0.0019	0.0049		0.0048	0.0048									
13	729C1	Y	No		1	CT	0.0058	0.0048	0.0040		0.0049	0.0049	1	CT	PM not controlled, SRE set to 0						
14	733C1	Y	No		1	CT	0.0020	0.0021	0.0013		0.0018	0.0018									
15	735C3	Y	R3		1	CT	0.0378	0.0282		0.0559	0.0375	0.0330	1	CT	PM not controlled, SRE set to 0						
16	737C3	Y	R3		1	CT	0.0494	0.0501		0.0720	0.0559	0.0498	1	CT	PM not controlled, SRE set to 0						
17	738C1	Y	R3		1	CT	0.0471	0.0456		0.1951	0.0720	0.0464	1	CT	PM not controlled, SRE set to 0						
18	739C11	Y	R2		1	IB	0.0123		0.0116	0.0985	0.0336	0.0120	1	IB	PM not controlled, SRE set to 0						
19	739C10	Y	R2		1	CT	0.0265		0.0289	0.1014	0.0461	0.0277	1	CT	PM not controlled, SRE set to 0						
20	740C10	Y	No		1	CT	0.0347	0.0337	0.0344		0.0343	0.0343	1	CT	PM not controlled, SRE set to 0						
21	741C1	Y	R3		1	CT	0.0280	0.0320		0.0440	0.0312	0.0300									
22	743C10	Y	No		1	CT	0.0014	0.0009	0.0009		0.0011	0.0011									
23	746C10	Y	No		1	CT	0.0010	0.0009	0.0019		0.0013	0.0013									
24	754C10	Y	No		1	CT	0.0024	0.0038	0.0014		0.0025	0.0025									
25	756C11	Y	No		1	CT	0.0015	0.0034	0.0014		0.0021	0.0021									
26	759C1	Y	R3		2	CT	0.0125	0.0133		0.0152	0.0137	0.0129	1	CT	Assume PM not controlled						
27	760C1	Y	R3		2	CT	0.0223	0.0195		0.0359	0.0259	0.0209	1	CT	PM not controlled, SRE set to 0						
28	761C5	N	No		1	N	0.0005	0.0007	0.0003		0.0005	0.0005									
29	761C3	Y	No		1	CT	0.0149	0.0115	0.0106		0.0123	0.0123	1	CT	PM not controlled, SRE set to 0						
30	763C1	Y	No		1	CT	0.0050	0.0061	0.0054		0.0055	0.0055	1	CT							
31	764C3		No		0	CT	0.1510	0.0420	0.0420		0.0500	0.0500	1	CT	PM not controlled, SRE set to 0						
32	766C1	N	No		1	N	0.0059	0.0022	0.0025		0.0035	0.0035	1	NA	Normal, PM not controlled, SRE set to 0						
33	767C5	Y	R3		1	IB	0.0018	0.0021		0.0092	0.0023	0.0020									
34	767C2	Y	R3		1	IB	0.0190	0.0190		0.0200	0.0140	0.0190	1	IB	PM not controlled, SRE set to 0						
35	767C4	Y	R3		1	IB	0.0270	0.0190		0.0750	0.0280	0.0230	1	IB	PM not controlled, SRE set to 0						
36	767C1	Y	R3		1	CT	0.0360	0.0310		0.0960	0.0350	0.0335	1	CT	PM not controlled, SRE set to 0						
37	771C1	Y	R3		1	IB	0.0026	0.0039		0.0036	0.0027	0.0032	1	IB							
38	771C2	Y	R3		1	CT	0.0024	0.0047		0.0055	0.0037	0.0035	1	CT							
39	772C10	Y	No		1	CT	0.0045	0.0029	0.0020		0.0036	0.0036	1	CT	PM not controlled, SRE set to 0						
40	774C1	Y	R3		1	CT	0.0248	0.0228		0.0375	0.0284	0.0238	1	CT	PM not controlled, SRE set to 0						
41	776C10	Y	No		1	CT	0.0362	0.0423	0.0352		0.0379	0.0379	1	CT							
42	777C10	Y	No		1	CT	0.0432	0.0424	0.0424		0.0427	0.0427	1	CT							
43	778C10	Y	R3		1	CT	0.0550	0.0560		0.1380	0.0680	0.0555	1	CT	PM not controlled, SRE set to 0						
44	811C10	Y	R3		1	IB	0.0146	0.0129		0.0139	0.0138	0.0138	1	IB							
45	811C11	Y	R3		1	CT	0.0268	0.0294		0.0494	0.0325	0.0281	1	CT							
46	812C2	N	No		1	CT	0.0028	0.0022	0.0026		0.0025	0.0025									
47	813C2	N	R3		1	CT	0.0252	0.0280		0.0363	0.0298	0.0266	1	CT							
48	814C2	N	No		1	CT	0.0084	0.0077	0.0066		0.2955	0.2955	1	CT	PM not controlled, SRE set to 0						
49	815C2	N	No		1	CT	0.0076	0.0099	0.0108		0.0094	0.0094	1	CT	PM not controlled, SRE set to 0						
50	818C11	Y	No		1	CT					0.0239	0.0239									
51	819C1	Y	R2		1	CT	0.0171		0.0187	0.0176	0.0178	0.0179	1	CT							
52	822C2	Y	No		1	CT	0.0016	0.0015	0.0017		0.0016	0.0016	1	CT	PM not controlled, SRE set to 0						
53	828C1	N	No		1	N	0.0013	0.0008	0.0004		0.0008	0.0008	1	NA	Normal, PM not controlled, SRE set to 0						
54	833C11	Y	No		1	IB	0.0128	0.0115	0.0105		0.0116	0.0116									
55	833C10	Y	No		1	CT	0.0204	0.0136	0.0181		0.0174	0.0174									
56	834C10	Y	No		1	IB	0.0057	0.0047	0.0031		0.0045	0.0045	1	IB	PM not controlled, SRE set to 0						
57	834C11	Y	No		1	CT	0.0171	0.0144	0.0127		0.0147	0.0147									
58	835C11	Y	No		1	IB	0.0004	0.0004	0.0004		0.0004	0.0004									
59	835C10	Y	No		1	IB	0.0006	0.0008	0.0007		0.0007	0.0007	1	IB	PM not controlled, SRE set to 0						
60	835C12	Y	No		1	CT	0.0013	0.0014	0.0010		0.0012	0.0012	1	CT	PM not controlled, SRE set to 0						
61	836C12	Y	No		1	IB	0.0003	0.0003	0.0004		0.0003	0.0003	1	IB	PM not controlled, SRE set to 0						

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	2	114	115	116	117	118	119	120	121	122	123	124	125	136	137	138	139	140	141	142	143	144	145	162	163	164	165	166	167
2	Cond ID	Ash Feedrate Total (mg/dscm)																	Ash Feedrate Hazardous Wastes and Spike (mg/dscm)						Thermal Fe				
3	Number	R1	R2	R3	R4	R5	R6	R SB	Cond Avg	R1	R2	R3	R SB	Cond Avg	HW	Coal													
4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
5																													
6	232C11		11		12		10		11		11		12		10		11	128.6											
7	232C10		0		0		0		0		0		0		0		0	49.7											
8	720C10																	5.1											
9	721C12																	63.0											
10	721C10	1.3	112	4	40	3	50		2	67	1.3	112	4	40	3	50		3	67	91.2									
11	724C2	0	421	0	390	0	311		0	374	0	421	0	390	0	311		0	374	16.7									
12	724C1		9		9		3		7		9		9		3		7	16.8											
13	729C1	0	48	0	7		0		18	0	48	0	7		0		18	4.6											
14	733C1	100	29	100	39	100	36		100	35	100	29	100	39		100	36	100	29	35	4.3								
15	735C3	33.6	171	35	160				35	159	34	163	34	171	35	160		35	159	34	163	56.9							
16	737C3	0	265	0	172				0	168	0	202	0	265	0	172		0	168	0	202	34.2							
17	738C1	54.6	149	51	163				49	165	52	159	55	149	51	163		49	165	52	159	32.0							
18	739C11		79				80		79		78		79		80		79		78		79	35.2							
19	739C10		44				52		29	0	42		44		52		29		42		42	20.0							
20	740C10		140		136		143		140		140		136		143		140		140		140	22.2							
21	741C1	100	75	100	85				100	75	100	78	100	75	100	85		100	75	100	78	154.9							
22	743C10		0		0		0		100	0	0		0		0		100	0	0		0	8.9							
23	746C10	100	4	100	4	100	6		100	5	100	4	100	4	100	6		100	5	100	5	284.4							
24	754C10		0		0		0		0		0		0		0		0		0		0	54.3							
25	756C11		0		0		0		100	0	0		0		0		100	0	0		0	13.2							
26	759C1	0	51	0	52				0	54	0	52	0	51	0	52		0	54	0	52	118.3							
27	760C1	67	58	66	55				67	57	66	57	67	58	66	55		67	57	66	57	152.8							
28	761C5																					0.0							
29	761C3								31													0.0							
30	763C1		1,397		2,108		1,508		1,671		1,397		2,108		1,508		1,671		1,671		1,671	20.3							
31	764C3		113		103		97		104		113		103		97		104		104		104	146.4							
32	766C1	0	3	0	4	0	4		0	4	0	3	0	4	0	4		0	4	0	4	42.9							
33	767C5																					0.0							
34	767C2	0	161	0	155				0	154	0	157	0	161	0	155		0	154	0	157	79.3							
35	767C4	0	176	0	139				0	162	0	159	0	176	0	139		0	162	0	159	93.0							
36	767C1		234		218				226		234		218		226		234		225		226	84.6							
37	771C1	0	2,830	0	2,837				0	2,707	0	2,791	0	2,830	0	2,837		0	2,707	0	2,791	23.0							
38	771C2	0	2,822	0	2,615				0	4,082	0	3,173	0	2,822	0	2,615		0	4,082	0	3,173	23.3							
39	772C10		25		20		20		22		25		20		20		22		20		22	9.2							
40	774C1		124		154				132		124		154		132		132		132		132	83.6							
41	776C10		1,179		1,150				1,184		1,179		1,150		1,164		1,164		1,164		1,164	64.1							
42	777C10		1,336		1,328		1,360		1,343		1,336		1,328		1,341		1,341		1,341		1,341	24.5							
43	778C10	0	195	0	158				0	169		174	0	195	0	158		0	169	0	174	11.2							
44	811C10		1,547		1,562				1,378		1,496		1,547		1,496		1,378		1,378		1,496	42.8							
45	811C11		3,395		3,247				3,366		3,336		3,247		3,336		3,366		3,366		3,336	25.6							
46	812C2	100	5	100	5	100	5		100	10	100	5	100	5	100	5		100	5	100	5	28.8							
47	813C2		481		611				591		561		611		591		591		591		591	0.0							
48	814C2		113		107		106		108		113		107		106		108		108		108	19.4							
49	815C2		183		207		207		199		183		207		199		199		199		199	18.3							
50	818C11																					43.9							
51	819C1	0	1,285		0		1,174		0	1,098		1,190	0	1,285		0		1,174	0	1,098	0	1,186	77.0						
52	822C2		10		14		17		13		10		14		17		13		13		13	44.2							
53	828C1	0	5	0	34	0	1		0	14	0	5	0	34	0	1		0	14	0	14	21.7							
54	833C11																					0.0							
55	833C10																					0.0							
56	834C10	100	0		4		2		2	100	0		4		2		100	0		4	2	9.3							
57	834C11	100	0	100	0	100	0		100	0	100	0	100	0	100	0		100	0	100	0	11.7							
58	835C11	100	0	100	0	100	0		100	0	100	0	100	0	100	0		100	0	100	0	43.4							
59	835C10	100	0	0	2	0	1		7	1	100	0	0	2	0	1		33	1	33	1	73.2							
60	835C12	0	0	0	1	0	0		0	0	0	0	0	1	0	0		0	0	0	0	79.3							
61	836C12	0	0	0	1	100	0		6	0	0	0	0	1	100	0		33	0	33	0	38.3							

Data Summary: Liquid Fuel Boilers, Particulate Matter

	2	168	169	170	171	172	173	175	177	179	187	189	191	193	195	203	205
2	Cond ID	ed Cond Avg (MMBtu/hr)			Thermal Emissions Rating			PM HW Thermal Emiss (lb/MMBtu)					Ash in HW (lb/MMBtu)				
3	Number	MF	Total	Est Tot	Camp No	Rating	Comments	R1	R2	R3	R SB	Cond Avg	R1	R2	R3	R SB	Cond Avg
4																	
5																	
6	232C11		128.6	560.6	1	CT		0.0092	0.0083	0.0086		0.0087	0.043	0.039	0.036		0.039
7	232C10		49.7	569.4	1	N	Normal	0.0398	0.0326	0.0457		0.0394	0.001	0.001	0.001		0.001
8	720C10	27.0	35.4	55.2	1	N	Normal										
9	721C12		63.0	379.3	1	N	Normal	0.2874	0.3539	0.2584		0.2999					
10	721C10		91.2	408.8	1	CT		0.3452	0.4015	0.4249		0.3905	0.408	0.154	0.192		0.251
11	724C2		16.7	70.3	1	IB		0.0399	0.0128	0.0255		0.0260	1.434	1.447	1.114		1.332
12	724C1		16.8	70.7	1	CT		0.0578	0.0162	0.0402		0.0381	0.029	0.033	0.009		0.024
13	729C1	1.2	5.8	4.8	1	CT		0.0105	0.0000			0.0053	0.038				0.038
14	733C1	2.5	6.8	8.3	1	CT		0.0087	0.0067	0.0046		0.0067	0.056	0.055	0.055		0.055
15	735C3	22.1	79.1	77.6	1	CT		0.0980	0.0763		0.1524	0.1004	0.194	0.189		0.189	0.191
16	737C3	4.7	38.8	39.6	1	CT		0.1114	0.1132		0.1573	0.1249	0.261	0.169		0.160	0.197
17	738C1	7.7	39.7	39.8	1	CT		0.0514	0.0533		0.2372	0.0837	0.071	0.083		0.087	0.080
18	739C11	79.5	114.7	111.3	1	CT						0.2051					0.210
19	739C10	87.0	107.0	115.2	1	IB						0.0234					0.009
20	740C10		22.2	212.5	1	CT		0.6087	0.6738	0.6194		0.6340	1.072	1.188	1.122		1.127
21	741C1	51.5	206.4	215.0	1	CT						0.0832					0.091
22	743C10	15.5	24.4	20.3	1	CT		0.0063	0.0039	0.0039		0.0047	0.001	0.001	0.001		0.001
23	746C10	11.8	296.2	532.3	1	CT											0.007
24	754C10	132.7	187.1	167.2	1	CT		0.0142	0.0225	0.0084		0.0150					
25	756C11	190.0	203.2	257.9	1	CT		0.0565	0.1296	0.0522		0.0794	0.007	0.007	0.007		0.007
26	759C1		118.3	284.3	2	CT		0.0558	0.0626		0.0720	0.0635	0.099	0.107		0.112	0.106
27	760C1		152.8	346.7	2	CT		0.0968	0.0875		0.1542	0.1133	0.110	0.108		0.106	0.108
28	761C5		0.0														
29	761C3		0.0														
30	763C1		20.3	24.8	1	CT		0.0123	0.0136	0.0130		0.0130	1.497	2.038	1.582		1.706
31	764C3		146.4	196.2	0	CT		0.2312	0.0671	0.0697		0.1227	0.076	0.072	0.070		0.072
32	766C1	2.2	70.2	92.9	1	N	Normal	0.0248	0.0092	0.0094		0.0145	0.006	0.007	0.006		0.006
33	767C5		0.0														
34	767C2		79.3	180.0	1	IB		0.0480	0.0463		0.0501	0.0343	0.178	0.164		0.168	0.170
35	767C4	44.8	137.7	186.7	1	IB		0.0575	0.0397		0.1712	0.0606	0.163	0.126		0.161	0.150
36	767C1	18.3	102.9	102.1	1	CT		0.0800	0.0640		0.2734	0.0815	0.227	0.197		0.279	0.234
37	771C1	22.6	45.5	45.5	1	IB		0.0100	0.0138		0.0145	0.0103	4.820	4.357		4.784	4.654
38	771C2	0.0	23.4	39.8	1	CT		0.0081	0.0167		0.0157	0.0122	4.196	4.077		5.128	4.467
39	772C10	20.0	29.2	24.8	1	CT											0.049
40	774C1	153.0	0.0	228.7	1	CT		0.1495	0.1132		0.1870	0.1496	0.326	0.333		0.287	0.315
41	776C10		64.1	78.5	1	CT		0.0839	0.0989			0.0914	1.193	1.173			1.183
42	777C10		24.5	33.6	1	CT		0.1060	0.1241	0.1081		0.1127	1.429	1.694	1.514		1.545
43	778C10		11.2	13.1	1	CT		0.0000	0.0000		0.0000	0.1459	0.000	0.000		0.000	0.163
44	811C10		40.0	67.6	1	IB		0.0493	0.0404		0.0455	0.0420	2.279	2.132		1.967	2.126
45	811C11		23.1	31.6	1	CT		0.0708	0.0780		0.1301	0.0774	3.912	3.757		3.867	3.845
46	812C2		28.8	30.2	1	CT		0.0116	0.0089	0.0105		0.0103	0.009	0.009	0.009		0.009
47	813C2		0.0														
48	814C2	4.5	23.9	19.7	1	CT		0.0171	0.0146	0.0131		0.0149	0.100	0.088	0.091		0.093
49	815C2	6.6	24.9	21.1	1	CT		0.0183	0.0246	0.0242		0.0224	0.192	0.225	0.202		0.206
50	818C11		48.5	188.5													
51	819C1	43.9	121.0	132.7	1	CT		0.0519		0.0621	0.0625	0.0583	1.701		1.700	1.700	1.700
52	822C2		44.2	44.1	1	CT		0.0031	0.0029	0.0033		0.0031	0.008	0.011	0.014		0.011
53	828C1		21.7	61.4	1	N	Normal	0.0073	0.0042	0.0023		0.0046	0.013	0.078	0.003		0.031
54	833C11		0.0														
55	833C10		0.0	47.1													
56	834C10		9.3	11.7	1	IB		0.0140	0.0117	0.0073		0.0110	0.000	0.004	0.002		0.002
57	834C11		11.7	11.8	1	CT		0.0333	0.0279	0.0247		0.0286	0.000	0.000	0.000		0.000
58	835C11		43.4	123.7	1	IB		0.0023	0.0022	0.0021		0.0022					
59	835C10		73.2	156.8	1	IB			0.0033	0.0029		0.0031	0.000	0.004	0.001		0.002
60	835C12		79.3	210.6	1	CT		0.0064	0.0074	0.0052		0.0063	0.000	0.001	0.001		0.001
61	836C12		38.3	133.8	1	IB			0.0020			0.0020		0.002			0.002

Data Summary: Liquid 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 Category	Combustor Class	Combustor Type	Detailed Acronym	Wastes	Popping Furnace	Weapons Demil	Radioactive Waste	vs On-site	Conc	Cond Description	
4														Dates		
5																
62	836	836C13	BASF	Geismar	Liquid boiler	Liquid-fired boiler	Liquid-Fired None		Liq	No	No	No	OS	No	2/1/1997	Risk burn; worst case (max temp., feed
63	836	836C10	BASF	Geismar	Liquid boiler	Liquid-fired boiler	Liquid-Fired None		Liq	No	No	No	OS	No	2/1/1997	Trial Burn
64	836	836C11	BASF	Geismar	Liquid boiler	Liquid-fired boiler	Liquid-Fired None		Liq	No	No	No	OS	No	2/1/1997	Trial Burn
65	840	840C4	Bayer (Monsanto Co. Port	Addyston	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq	No	No	No	OS	No	10/1/1997	CoC; max feed Bldg. 9 spent monomer
66	840	840C3	Bayer (Monsanto Co. Port	Addyston	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq	No	No	No	OS	No	10/1/1997	CoC; max feed Bldg. 30 spent monomer
67	843	843C1	Dow Chemical Company	Freeport	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq	No	No	No	OS	No	7/1/1998	Trial burn, max waste feed rate, max co
68	901	901C1	Diversified Scientific Servic	Kingston	Liquid boiler	Liquid-fired boiler,	Liquid-fired SD/FF/PBS/RH/I	Liq	No	No	Yes	Comm	No	2/1/1996	CoC, max feed, flow, and prod rate, max	
69	901	901C2	Diversified Scientific Servic	Kingston	Liquid boiler	Liquid-fired boiler,	Liquid-fired SD/FF/PBS/RH/I	Liq	No	No	Yes	Comm	No	2/1/1996	CoC, max feed and flowrate, min pressu	
70	911	911C5	Sunoco Inc. (R&M) Haverh	Haverhill	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq	No	No	No	OS	No	7/1/1998	CoC; LHC waste fuel
71	911	911C7	Sunoco Inc. (R&M) Haverh	Haverhill	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq	No	No	No	OS	No	10/1/1998	CoC; HHC waste fuel
72	912	912C4	Sunoco Inc. (R&M) Haverh	Haverhill	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq	No	No	No	OS	No	10/1/2001	CoC; LHC waste fuel high range
73	1000	1000C1	Mallinckrodt Inc.	Raleigh	Liquid boiler	Liquid-fired boiler	Liquid inject None		Liq	No	No	No	OS	No	10/1/1997	CoC; max waste feedrate
74	1001	1001C3	Lonza, Inc.	Pasadena	Liquid boiler	Liquid-fired boiler	Liquid inject None		Liq	No	No	No	OS	No	2/1/1997	CoC; max waste (T-4053) feedrate
75	1001	1001C2	Lonza, Inc.	Pasadena	Liquid boiler	Liquid-fired boiler	Liquid inject None		Liq	No	No	No	OS	No	2/1/1997	CoC; max waste (G-3102) feedrate
76	1001	1001C1	Lonza, Inc.	Pasadena	Liquid boiler	Liquid-fired boiler	Liquid inject None		Liq	No	No	No	OS	No	2/1/1997	CoC; max waste (T-4014) feedrate
77	1002	1002C2	Lyondell Chemical Co.	Channelviei	Liquid boiler	Liquid-fired boiler	Liquid inject None		Liq	No	No	No	OS	No	7/1/1998	CoC; max waste and ash feed
78	1003	1003C3	Lyondell Chemical Co.	Channelviei	Liquid boiler	Liquid-fired boiler	Liquid inject None		Liq	No	No	No	OS	No	12/1/1998	CoC; max waste and ash feed rates
79	1004	1004C2	Lyondell Chemical Co.	Channelviei	Liquid boiler	Liquid-fired boiler	Liquid inject None		Liq	No	No	No	OS	No	7/1/1998	CoC; max waste and ash feedrates
80	1005	1005C1	Huntsman Corp. (formerly	Port Nechet	Liquid boiler	Liquid-fired boiler	Liquid inject None		Liq	No	No	No	OS	No	10/1/1995	CoC; max feedrates
81	1006	1006C3	Huntsman Corp. (formerly	Port Nechet	Liquid boiler	Liquid-fired boiler	Liquid inject None		Liq	No	No	No	OS	No	8/1/1997	CoC; max feedrate
82	1007	1007C1	Huntsman Polymers	Odessa	Liquid boiler	Liquid-fired boiler	Liquid inject None		Liq	No	No	No	OS	No	10/1/1998	CoC; maximum feedrate
83	1015	1015C10	Georgia Gulf Corporation	Pasadena	Liquid boiler	Liquid-fired boiler	Liquid inject None		?	No	No	No	OS	No	5/1/1998	CoC; ?
84	1015	1015C11	Georgia Gulf Corporation	Pasadena	Liquid boiler	Liquid-fired boiler	Liquid inject None		?	No	No	No	OS	No	5/1/1998	No waste burned baseline test condition
85	1016	1016C1	BASF Corporation	Beaumont	Liquid boiler	Liquid-fired boiler	Liquid-fired WS		Liq	No	No	No	OS	No	9/1/1998	Trial Burn/Risk Burn
86	1017	1017C6	Sunoco Inc. (R&M) Pasade	Pasadena	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq	No	No	No	OS	No	2/1/2000	CoC
87	1017	1017C5	Sunoco Inc. (R&M) Pasade	Pasadena	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq	No	No	No	OS	No	2/1/2000	CoC
88	1018	1018C10	Celanese Ltd	Bishop	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq	No	No	No	OS	No	9/1/1996	Compliance Test. Maximum combustion
89	2000	2000C4	Georgia Gulf Chemicals ar	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq, tar	No	No	No	OS	No	9/1/1997	Trial burn, Cr+6 burn, max waste, ash, C
90	2000	2000C2	Georgia Gulf Chemicals ar	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq, tar	No	No	No	OS	No	8/1/1997	Risk burn, normal operating condition
91	2000	2000C1	Georgia Gulf Chemicals ar	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq, tar	No	No	No	OS	No	8/1/1997	Trial burn, max waste feed, min comb te
92	2001	2001C3	Dow Chemical Co.	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired HCl/ABS/CWS		Liq	No	No	No	OS	No	9/1/1997	Risk burn; normal operating conditions
93	2001	2001C2	Dow Chemical Co.	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired HCl/ABS/CWS		Liq	No	No	No	OS	No	9/1/1997	Trial burn; min comb chamber temp
94	2001	2001C1	Dow Chemical Co.	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired HCl/ABS/CWS		Liq	No	No	No	OS	No	9/1/1997	Trial burn; not used for permit setting (m
95	2001	2001C4	Dow Chemical Co.	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired HCl/ABS/CWS		Liq	No	No	No	OS	No	9/1/1997	Trial burn; max waste feedrates (Cr, ash
96	2002	2002C1	Dow Chemical Co.	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired Q/HClABS/CWS		Liq	No	No	No	OS	No	8/1/1997	Trial burn; min comb chamber temperat
97	2002	2002C3	Dow Chemical Co.	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired Q/HClABS/CWS		Liq	No	No	No	OS	No	8/1/1997	Risk burn; normal op cond
98	2002	2002C2	Dow Chemical Co.	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired Q/HClABS/CWS		Liq	No	No	No	OS	No	8/1/1997	Trial burn; max waste feedrates (Cr, ash
99	2003	2003C3	Dow Chemical Co.	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired Q/HClABS/CWS		Liq	No	No	No	OS	No	8/1/1997	Risk burn; normal op conditions
100	2003	2003C2	Dow Chemical Co.	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired Q/HClABS/CWS		Liq	No	No	No	OS	No	9/1/1997	Trial burn; min combustion chamber tem
101	2003	2003C1	Dow Chemical Co.	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired Q/HClABS/CWS		Liq	No	No	No	OS	No	9/1/1997	Trial burn; max waste feedrates (Cr, ash
102	2006	2006C1	3V Inc.	Georgetowr	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq	No	No	No	OS	No	2/1/1999	CoC; low Btu, low ash, min temp CO de
103	2006	2006C2	3V Inc.	Georgetowr	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq	No	No	No	OS	No	2/1/1999	CoC; max firing rate, high Btu, high ash
104	2008	2008C1	Sunoco Inc. (R & M) Frank	Philadelphia	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liq	No	No	No	OS	No	6/1/1999	
105	2012	2012C2	E.I. Du Pont Nemours & Cr	Victoria	Liquid boiler	Liquid-fired boiler	Liquid-fired		Liq	No	No	No	OS	No	5/1/1999	Risk burn
106	2013	2013C1	E.I. Du Pont De Nemours & Victoria	Victoria	Liquid boiler	Liquid-fired boiler	Liquid-fired		Liq	No	No	No	OS	No	6/1/1995	CoC
107	2013	2013C2	E.I. Du Pont De Nemours & Victoria	Victoria	Liquid boiler	Liquid-fired boiler	Liquid-fired		Liq	No	No	No	OS	No	6/1/1995	CoC
108	2016	2016C2	E.I. Du Pont De Nemours & Victoria	Victoria	Liquid boiler	Liquid-fired boiler	Liquid-fired		Liq	No	No	No	OS	No	2/1/1999	Risk burn
109	2021	2021C1	Union Carbide Coporation	Texas City	Liquid boiler	Liquid-fired boiler	Liquid-fired None		Liquid wast	No	No	No	OS	No	3/1/2000	Trial burn, max comb Temp, max steam
110	1002A	1002C2	Lyondell Chemical Co.	Channelviei	Liquid boiler	Liquid-fired boiler	Liquid inject None		Liq	No	No	No	OS	No	7/1/1998	CoC; max waste and ash feed
111	1002B	1002C2	Lyondell Chemical Co.	Channelviei	Liquid boiler	Liquid-fired boiler	Liquid inject None		Liq	No	No	No	OS	No	7/1/1998	CoC; max waste and ash feed
112	1005A	1005C1	Huntsman Corp. (formerly	Port Nechet	Liquid boiler	Liquid-fired boiler	Liquid inject None		Liq	No	No	No	OS	No	10/1/1995	CoC; max feedrates
113	1006A	1006C3	Huntsman Corp. (formerly	Port Nechet	Liquid boiler	Liquid-fired boiler	Liquid inject None		Liq	No	No	No	OS	No	8/1/1997	CoC; max feedrate
114	2001A	2001C3	Dow Chemical Co.	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired HCl/ABS/CWS		Liq	No	No	No	OS	No	9/1/1997	Risk burn; normal operating conditions
115	2001A	2001C2	Dow Chemical Co.	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired HCl/ABS/CWS		Liq	No	No	No	OS	No	9/1/1997	Trial burn; min comb chamber temp
116	2001A	2001C1	Dow Chemical Co.	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired HCl/ABS/CWS		Liq	No	No	No	OS	No	9/1/1997	Trial burn; not used for permit setting (m
117	2001A	2001C4	Dow Chemical Co.	Plaquemine	Liquid boiler	Liquid-fired boiler	Liquid-fired HCl/ABS/CWS		Liq	No	No	No	OS	No	9/1/1997	Trial burn; max waste feedrates (Cr, ash

Data Summary: Liquid Fuel Boilers, Particulate Matter

	2	22	29	30	31	32	33	34	35	36	37	38	55	56	57	58	59	60	61	62	63
2	Cond ID	Ash	SB	PM Emissions			PM Stack (gr/dscf)						Ash SRE								
3	Number	Spiking	Run	Campaign	Rating	Rating Comments	R1	R2	R3	R SB	Cond Avg	No SB Run	Campaign	Rating	Comment						
4			Number	Number								Cond Avg	Number								
5																					
62	836C13	Y	No	1	IB		0.0007	0.0002	0.0002		0.0004	0.0004	1	IB	PM not controlled, SRE set to 0						
63	836C10	Y	No	1	IB		0.0004	0.0004	0.0004		0.0004	0.0004	1	IB	PM not controlled, SRE set to 0						
64	836C11	Y	No	1	CT		0.0008	0.0007	0.0010		0.0008	0.0008	1	CT	PM not controlled, SRE set to 0						
65	840C4	Y	No	1	IB		0.0352	0.0353	0.0487		0.0397	0.0397	1	IB	PM not controlled, SRE set to 0						
66	840C3	Y	No	1	CT						0.0463	0.0463	1	CT	PM not controlled, SRE set to 0						
67	843C1	Y	No	1	CT		0.0130	0.0120	0.0260		0.0170	0.0170	1	CT	PM not controlled, SRE set to 0						
68	901C1	temp	No	1	IB		0.0032	0.0020	0.0018		0.0023	0.0023	1	IB							
69	901C2	ire drop	No	1	CT		0.0008	0.0124	0.0019		0.0049	0.0049	1	CT							
70	911C5		No	1	IB		0.0019	0.0011	0.0010		0.0013	0.0013	1	IB	PM not controlled, SRE set to 0						
71	911C7		No	1	CT		0.0175	0.0183	0.0215		0.0246	0.0246	1	CT	PM not controlled, SRE set to 0						
72	912C4		No	1	CT		0.0014	0.0018	0.0014		0.0016	0.0016	1	CT	PM not controlled, SRE set to 0						
73	1000C1	Y	R1	1	CT			0.0474	0.0456	0.0787	0.0500	0.0572	1	CT	PM not controlled, SRE set to 0						
74	1001C3	Y	R3	1	IB		0.0029	0.0019		0.0013	0.0024	0.0024	1	IB	PM not controlled, SRE set to 0						
75	1001C2	Y	R3	1	IB		0.0032	0.0023		0.0018	0.0027	0.0028	1	IB	PM not controlled, SRE set to 0						
76	1001C1	Y	R3	1	CT		0.0026	0.0031		0.0038	0.0029	0.0029	1	CT	PM not controlled, SRE set to 0						
77	1002C2	Y	R3	1	CT		0.0088	0.0070		0.0122	0.0093	0.0079	1	CT	PM not controlled, SRE set to 0						
78	1003C3	Y	R3	1	CT		0.0230	0.0200		0.0270	0.0220	0.0215	1	CT	PM not controlled, SRE set to 0						
79	1004C2	Y	R3	1	CT		0.0101	0.0117		0.0354	0.0194	0.0109	1	CT	PM not controlled, SRE set to 0						
80	1005C1	Y	R3	1	CT		0.0075	0.0067		0.0062	0.0068	0.0071									
81	1006C3	Y	No	1	CT		0.0090	0.0050	0.0090		0.0077	0.0077									
82	1007C1	Y	No	1	CT		0.0384	0.0369	0.0371		0.0375	0.0375	1	CT	PM not controlled, SRE set to 0						
83	1015C10		No	1	CT		0.0047	0.0042	0.0042		0.0044	0.0044	1	CT	PM not controlled, SRE set to 0						
84	1015C11		No	1	NA	Baseline test condition, No HV	0.0004	0.0009	0.0016		0.0010	0.0010									
85	1016C1		No	1	CT		0.0039	0.0034	0.0028		0.0034	0.0034									
86	1017C6		No	0	IB		0.0110	0.0136	0.0237		0.0161	0.0161									
87	1017C5		No	0	CT		0.0172	0.0117	0.0267		0.0185	0.0185									
88	1018C10	Y	R2	1	CT		0.0397		0.0421	0.0982	0.0529	0.0409	1	CT	PM not controlled, SRE set to 0						
89	2000C4	comb te	No	1	NA	PM Emissions exceeded curr	0.0962	0.1099	0.0924		0.0995	0.0995	1	NA	PM not controlled, SRE set to 0						
90	2000C2	N	R3	1	N		0.0133	0.0195		0.0291	0.0206	0.0164	1	NA	Normal, PM not controlled, SRE set to 0						
91	2000C1	Y	R3	1	CT		0.0287	0.0254		0.0232	0.0258	0.0271	1	CT	PM not controlled, SRE set to 0						
92	2001C3	N	No	1	N		0.0012	0.0011	0.0017		0.0013	0.0013	1	NA	Normal						
93	2001C2	N	No	1	N	Used to establish operating lir	0.0015	0.0012	0.0015		0.0014	0.0014									
94	2001C1	Y	No	1	IB		0.0190	0.0200	0.0190		0.0193	0.0193	1	IB							
95	2001C4	Y	No	1	CT		0.0310	0.0300	0.0320		0.0310	0.0310	1	CT							
96	2002C1	N	No	1	N	Assume N	0.0018	0.0002	0.0014		0.0011	0.0011	1	NA	Normal						
97	2002C3	N	No	1	N		0.0023	0.0005	0.0010		0.0013	0.0013									
98	2002C2	Y	No	1	CT		0.0055	0.0060	0.0084		0.0066	0.0066	1	CT							
99	2003C3	N	No	1	N		0.0077	0.0032	0.0034		0.0048	0.0048	1	NA	Normal						
100	2003C2	N	No	1	N	Assume N	0.0092	0.0053	0.0048		0.0064	0.0064	1	NA	Normal						
101	2003C1	Y	No	1	CT		0.0280	0.0190	0.0130		0.0200	0.0200	1	CT							
102	2006C1	N	No	1	N	Assume N	0.0078	0.0069	0.0070		0.0072	0.0072	1	NA	Normal, PM not controlled, SRE set to 0						
103	2006C2	Y	No	1	CT		0.0078	0.0102	0.0100		0.0093	0.0093	1	CT	PM not controlled, SRE set to 0						
104	2008C1	L	R2	1	CT		0.0165		0.0102	0.0417	0.0204	0.0134	1	CT	PM not controlled, SRE set to 0						
105	2012C2	N	No	1	N	Assume N	0.0022	0.0021	0.0021		0.0021	0.0021	1	NA	Normal, Assume PM not controlled						
106	2013C1	Y	No	2	IB		0.0273	0.0444	0.0302		0.0340	0.0340	1	IB	Assume PM not controlled						
107	2013C2	Y	No	2	CT		0.0386	0.0208	0.0729		0.0440	0.0440	1	CT	Assume PM not controlled						
108	2016C2	N	No	1	N	Assume N	0.0038	0.0022	0.0025		0.0028	0.0028									
109	2021C1	prod rate,	R4	1	CT		0.0346	0.0397	0.0425	0.0633	0.0411	0.0389	1	CT	PM not controlled, SRE set to 0						
110	1002C2	Y	R3	1	NA	Data in lieu	0.0088	0.0070		0.0122	0.0093	0.0079	1	NA	PM not controlled, SRE set to 0; data in lieu						
111	1002C2	Y	R3	1	NA	Data in lieu	0.0088	0.0070		0.0122	0.0093	0.0079	1	NA	PM not controlled, SRE set to 0; data in lieu						
112	1005C1	Y	R3	1	NA	Data in lieu	0.0075	0.0067		0.0062	0.0068	0.0071									
113	1006C3	Y	No	1	NA	Data in lieu	0.0090	0.0050	0.0090		0.0077	0.0077									
114	2001C3	N	No	1	NA	Data in lieu	0.0012	0.0011	0.0017		0.0013	0.0013	1	NA							
115	2001C2	N	No	1	NA	Used to establish operating lir	0.0015	0.0012	0.0015		0.0014	0.0014									
116	2001C1	Y	No	1	NA	Data in lieu	0.0190	0.0200	0.0190		0.0193	0.0193	1	NA							
117	2001C4	Y	No	1	NA	Data in lieu	0.0310	0.0300	0.0320		0.0310	0.0310	1	NA							

Data Summary: Liquid Fuel Boilers, Particulate Matter

	2	64	65	66	67	68	69	80	81	82	83	84	85	86	87	88	89	90	91	101	103	104	105	106	107	108	109	110	112	113
2	Cond ID	Ash SRE (%)												Ash SRE Used for Ranking Purposes (%)					Ash Feed (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	RM	MF	Total										
4																														
5																														
62	836C13	-12.50		35.71	>	-21.26	-21	0.00	0.00	0.00		0.00	0	1																
63	836C10	-50.00	-125.00	-125.00		-83.34	-83	0.00	0.00	0.00		0.00	0	1																
64	836C11	-200.00	-425.00		>	-550.27	-550	0.00	0.00	0.00		0.00	0	0																
65	840C4	40.14	42.03 >	20.46	>	32.90	33	0.00	0.00	0.00		0.00	0	1	133				137											
66	840C3				>	20.44	20	0.00	0.00	0.00		0.00	0	1	131				135											
67	843C1	31.18	40.00	-45.52		8.54	9	0.00	0.00	0.00		0.00	0	11	32				43											
68	901C1	99.81	99.88	99.88		99.85	100	99.81	99.88	99.88		99.85	100	3,619					3,619											
69	901C2	99.99	99.54	99.86		99.84	100	99.99	99.54	99.86		99.84	100	1,934	5,007				6,941											
70	911C5	-12959.42	-7355.26	-6639.54		-8899.39	-8,899	0.00	0.00	0.00		0.00	0						0											
71	911C7					50.49	50	0.00	0.00	0.00		0.00	0	5	109				114											
72	912C4	66.49	80.71	58.55		71.13	71	0.00	0.00	0.00		0.00	0	13					13											
73	1000C1		23.67	26.96		23.37	25	0.00	0.00	0.00	0.00	0.00	0	15	134				149											
74	1001C3	52.02	65.24			76.22	59	0.00	0.00	0.00	0.00	0.00	0	0	13				13											
75	1001C2	40.00	63.04			74.69	52	0.00	0.00	0.00	0.00	0.00	0	0	14				14											
76	1001C1	71.60	62.09			79.45	67	0.00	0.00	0.00	0.00	0.00	0	11	14				27											
77	1002C2	53.52	79.33			39.27	66	0.00	0.00	0.00	0.00	0.00	0	9	42				55											
78	1003C3 >	25.61 >	39.14	>	19.64 >	30.99	32	0.00	0.00	0.00	0.00	0.00	0	11	73				84											
79	1004C2	70.37	69.17			-106.88	70	0.00	0.00	0.00	0.00	0.00	0	8	50				67											
80	1005C1																													
81	1006C3															7				7										
82	1007C1	44.08	45.31	59.40		49.67	50	0.00	0.00	0.00		0.00	0	25	142				171											
83	1015C10	13.32	17.11	14.09		12.98	13	0.00	0.00	0.00		0.00	0	12					12											
84	1015C11																													
85	1016C1																													
86	1017C6																													
87	1017C5																													
88	1018C10	34.42		37.06	-35.64	19.12	36	0.00		0.00	0.00	0.00	0	5	134	10			150											
89	2000C4	57.11	49.30	78.59		65.15	65	0.00	0.00	0.00		0.00	0					654	654											
90	2000C2	53.60	35.10			32.50	44	0.00	0.00		0.00	0.00	0					76	76											
91	2000C1	-13.69	20.29			1.78	3	0.00	0.00		0.00	0.00	0					60	60											
92	2001C3	77.50			>	23.74	24	77.50			>	23.74	24	13					13											
93	2001C2													15					15											
94	2001C1	94.02	94.04	94.29		94.01	94	94.02	94.04	94.29		94.01	94	740					740											
95	2001C4	86.49	86.68	86.03		86.15	86	86.49	86.68	86.03		86.15	86	513					513											
96	2002C1	75.15			>	37.02	37	75.15			>	37.02	37	11					8											
97	2002C3													9					9											
98	2002C2	86.30	86.75	76.35		83.24	83	86.30	86.75	76.35		83.24	83	21					91											
99	2003C3	77.59	92.29	87.88		85.98	86	77.59	92.29	87.88		85.98	86	78					78											
100	2003C2			86.58	>	45.06	45			86.58	>	45.06	45	45					45											
101	2003C1	89.86	91.47	94.43		91.51	92	89.86	91.47	94.43		91.51	92	32	512				540											
102	2006C1	11.21	11.58	21.17		13.08	13	0.00	0.00	0.00		0.00	0	19					19											
103	2006C2	35.61	15.96	17.55		21.67	22	0.00	0.00	0.00		0.00	0	28					27											
104	2008C1	-169.02		-19.53	-401.74	-171.82	-94	0.00	0.00	0.00	0.00	0.00	0	17					17											
105	2012C2					87.03	87	0.00	0.00	0.00		0.00	0	37					37											
106	2013C1 >	-123.18 >	-288.08 >	-167.05	>	-197.15	-197	0.00	0.00	0.00		0.00	0	36	26				62											
107	2013C2 >	-82.56			>	-117.44	-117	0.00	0.00	0.00		0.00	0	22	46				68											
108	2016C2																													
109	2021C1				>	32.40		0.00	0.00		0.00	0.00	0	2	138			0	140											
110	1002C2	53.52	79.33			39.27	66	0.00	0.00	0.00	0.00	0.00	0	9	42				55											
111	1002C2	53.52	79.33			39.27	66	0.00	0.00	0.00	0.00	0.00	0	9	42				55											
112	1005C1																													
113	1006C3															7				7										
114	2001C3	77.50			>	23.74 >	24	77.50			>	23.74 >	24	13					13											
115	2001C2													15					15											
116	2001C1	94.02	94.04	94.29		94.01	94	94.02	94.04	94.29		94.01	94	740					740											
117	2001C4	86.49	86.68	86.03		86.15	86	86.49	86.68	86.03		86.15	86	513					513											

Data Summary: Liquid Fuel Boilers, Particulate Matter

2	114	115	116	117	118	119	120	121	122	123	124	125	136	137	138	139	140	141	142	143	144	145	162	163	164	165	166	167	
Cond ID	Ash Feedrate Total (mg/dscm)																Ash Feedrate Hazardous Wastes and Spike (mg/dscm)								Thermal Fe				
Number	R1	R2	R3	R4	R5	R6	R SB	Cond Avg	R1	R2	R3	R SB	Cond Avg	HW	Coal														
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
62	836C13		1	100	0		1						1	1			1	100	0		1				100	1	36.7		
63	836C10	0	1	0	0	0	0						0	1	0		1	0	0	0	0				0	0	36.3		
64	836C11	0	1	0	0	100	0						2	0	0		1	0	0	100	0			33	0	43.8			
65	840C4	0	132	0	137	2	141						1	137	0		132	0	137	2	141			1	137	20.0			
66	840C3	2.3	144	2	132	1	131						2	135	2.3		144	2	132	1	131			2	135	22.8			
67	843C1	0	43	0	45	0	40						0	43	0		43	0	45	0	40			0	43	72.3			
68	901C1		3,787		3,682		3,389							3,619			3,787		3,682		3,389				3,619	13.7			
69	901C2		11,816		6,035		2,972							6,941			11,816		6,035		2,972				6,941	2.6			
70	911C5		0		0		0							0			0		0		0				0	0.0			
71	911C7		111		119		111							114			111		119		111				114	0.0			
72	912C4		9		21		8							13			9		21		8				13	75.5			
73	1000C1							140		141				168			149				168				168	14.0			
74	1001C3		14		12									12			14		12					12	13	10.0			
75	1001C2		12		14									16			14		14					16	14	6.1			
76	1001C1		21		18									42			21		18					42	27	7.2			
77	1002C2		43		76									45			43		76					45	55	312.2	460.0		
78	1003C3	12.5	80	13	85								13	87	13		84	13	80	13	85		13	87	13	84	27.1		
79	1004C2		77		85									39			77		85					39	67	88.1	60.0		
80	1005C1																												
81	1006C3	100	7	100	7	100	7							100			7	100	7	100	7				100	7	126.0		
82	1007C1		155		152		206							171			155		152		206				171	40.0			
83	1015C10		12		11		11							12			12		11		11				12	80.0			
84	1015C11																										0.0		
85	1016C1																										0.0		
86	1017C6																										0.0		
87	1017C5																										0.0		
88	1018C10		136				151							163			150		136		163		151			150	47.5		
89	2000C4		505		488		971							654			505		488		971				654	0.0			
90	2000C2		65		68									97			65		68					97	76	0.0			
91	2000C1		57		72									52			60		57		72			52	60				
92	2001C3		12	100	13	100	12							68			13		12	100	13	100		12	100	13	14.3		
93	2001C2	100	16	100	15	100	15							100			15	100	16	100	15	100		15	100	15	20.3		
94	2001C1		715		756		748							740			715		756		748				740	21.4			
95	2001C4		516		507		516							513			516		507		516				513	22.4			
96	2002C1	0	16	100	4	100	4							50			8	0	16	100	4	100		4	67	8	10.0		
97	2002C3	100	9	100	9	100	9							100			9	100	9	100	9	100		9	100	9	25.1		
98	2002C2		90		102		80							91			90		102		80			91	78	1.0			
99	2003C3		77		93		63							78			77		93		63			78	78	1.0			
100	2003C2	100	26	100	29		81							41			45	100	26	100	29		81	100	45	3.2			
101	2003C1		622		501		525							540			622		501		525				549	4.4			
102	2006C1		20		18		20							19			20		18		20			19	19	9.9			
103	2006C2		27		27		27							27			27		27		27			27	27	10.1			
104	2008C1		14				19							19			17		14		19			19	17	192.8			
105	2012C2	100	37	100	39	100	36							37	100		37	100	39	100	36			100	37	176.5			
106	2013C1	43.6	49	43	45	72	91							58			62	44	49	43	45	72	91	53	62	0.0			
107	2013C2	27.7	66											32			68	28	66					28	66	0.0			
108	2016C2																										0.0		
109	2021C1													1	137	1		138	1	138	1	138	0		140				
110	1002C2		43		76									45			55		43		76			45	55	312.2	460.0		
111	1002C2		43		76									45			55		43		76			45	55	312.2	460.0		
112	1005C1																												
113	1006C3	100	7	100	7	100	7							100			7	100	7	100	7	100		7	100	7	126.0		
114	2001C3		12	100	13	100	12							68			13		12	100	13	100		12	100	13	14.3		
115	2001C2	100	16	100	15	100	15							100			15	100	16	100	15	100		15	100	15	20.3		
116	2001C1		715		756		748							740			715		756		748				740	21.4			
117	2001C4		516		507		516							513			516		507		516				513	22.4			

Data Summary: Liquid Fuel Boilers, Particulate Matter

	2	168	169	170	171	172	173	175	177	179	187	189	191	193	195	203	205
2	Cond ID	ed Cond Avg (MMBtu/hr)			Thermal Emissions Rating			PM HW Thermal Emiss (lb/MMBtu)					Ash in HW (lb/MMBtu)				
3	Number	MF	Total	Est Tot	Camp No	Rating	Comments	R1	R2	R3	R SB	Cond Avg	R1	R2	R3	R SB	Cond Avg
4																	
5																	
62	836C13		36.7	250.0		1 IB				0.0025		0.0025			0.004		0.004
63	836C10		36.3	246.4		1 IB		0.0053	0.0049	0.0055		0.0052	0.003	0.002	0.002		0.003
64	836C11		43.9	286.8		1 CT		0.0094	0.0084			0.0089	0.003	0.002			0.002
65	840C4		20.7	44.1		1 IB		0.1516	0.1480	0.1970		0.1656	0.249	0.251	0.249		0.249
66	840C3		23.5	44.9		1 CT							0.221	0.217	0.215		0.218
67	843C1	81.4	153.7	164.6		1 CT		0.0563	0.0538	0.1128		0.0743	0.080	0.088	0.076		0.081
68	901C1	2.8	16.5	16.7		1 IB											3.632
69	901C2	1.7	4.4	3.7		1 CT											8.372
70	911C5		0.0	179.1													
71	911C7		0.0	184.1													
72	912C4	69.8	145.2	162.8		1 CT		0.0006	0.0057	0.0049		0.0037	0.002	0.029	0.012		0.014
73	1000C1		14.0	16.9		1 CT			0.1045	0.1160	0.1670	0.1164		0.137	0.159	0.159	0.148
74	1001C3	15.6	25.6	37.6		1 IB						0.0174					0.040
75	1001C2	15.4	21.6	31.5		1 IB						0.0263					0.060
76	1001C1	19.8	27.0	29.5		1 CT						0.0212					0.086
77	1002C2	460.0	780.0	706.9		1 CT		0.0079	0.0297		0.0571	0.0376	0.017	0.141		0.092	0.083
78	1003C3	2.4	29.6	24.5		1 CT		0.0412	0.0353		0.0450	0.0385	0.062	0.065		0.063	0.063
79	1004C2	60.0	140.1	146.8		1 CT		0.0293	0.0281		0.1164	0.0541	0.097	0.089		0.055	0.081
80	1005C1		0.0														
81	1006C3	58.0	184.0	199.3		1 CT		0.0284	0.0153	0.0264		0.0234	0.009	0.009	0.009		0.009
82	1007C1		40.0	193.2		1 CT		0.3461	0.3331	0.3455		0.3416	0.608	0.598	0.836		0.680
83	1015C10	135.0	215.0	231.8		1 CT		0.0261	0.0241	0.0230		0.0244	0.030	0.029	0.026		0.028
84	1015C11		0.0														
85	1016C1		0.0														
86	1017C6		0.0														
87	1017C5		0.0														
88	1018C10	45.0	92.0	67.4		1 CT						0.1345					0.166
89	2000C4		0.0														
90	2000C2	61.2	61.2	81.7													
91	2000C1	114.9	114.9	101.8													
92	2001C3		14.3	20.8		1 N	Normal	0.0038	0.0029	0.0051		0.0039	0.016	0.016	0.016		0.016
93	2001C2		20.3	24.6		1 N	Normal	0.0035	0.0029	0.0035		0.0033	0.016	0.016	0.016		0.016
94	2001C1		21.4	24.1		1 IB		0.0433	0.0424	0.0405		0.0421	0.711	0.700	0.696		0.702
95	2001C4		22.4	34.8		1 CT		0.0920	0.0907	0.0952		0.0926	0.668	0.669	0.669		0.669
96	2002C1		10.0	17.3		1 N	Normal	0.0061	0.0011	0.0094		0.0055	0.024	0.012	0.012		0.016
97	2002C3		25.1	38.9		1 N	Normal	0.0069	0.0015	0.0030		0.0038	0.012	0.012	0.012		0.012
98	2002C2		29.9	38.9		1 CT		0.0034	0.0050	0.0029		0.0037	0.024	0.037	0.012		0.024
99	2003C3		1.0	10.2		1 N	Normal	0.1490	0.0491	0.0645		0.0875	0.653	0.625	0.522		0.600
100	2003C2		3.2	10.2		1 N	Normal	0.0578	0.0287	0.0412		0.0426	0.072	0.068	0.301		0.147
101	2003C1		4.4	18.6		1 CT		0.1865	0.1503	0.1080		0.1483	1.807	1.729	1.904		1.813
102	2006C1	20.9	30.8	30.5		1 N	Normal	0.0483	0.0414	0.0393		0.0430	0.053	0.046	0.049		0.049
103	2006C2	20.4	30.5	29.1		1 CT		0.0450	0.0565	0.0569		0.0528	0.069	0.066	0.068		0.067
104	2008C1		192.8	219.6		1 CT		0.0344		0.0229	0.0948	0.0449	0.013	0.019	0.019	0.019	0.017
105	2012C2		182.9	360.1		1 N	Normal	0.0089	0.0079	0.0087		0.0085	0.065	0.064	0.064		0.064
106	2013C1		0.0	666.9													
107	2013C2		0.0														
108	2016C2		0.0	367.3													
109	2021C1	334.3	334.3	376.5													
110	1002C2	460.0	780.0	706.9		1 NA	Data in lieu	0.0079	0.0297		0.0571	0.0376	0.017	0.141		0.092	0.083
111	1002C2	460.0	780.0	706.9		1 NA	Data in lieu	0.0079	0.0297		0.0571	0.0376	0.017	0.141		0.092	0.083
112	1005C1		0.0														
113	1006C3	58.0	184.0	199.3		1 NA	Data in lieu	0.0284	0.0153	0.0264		0.0234	0.009	0.009	0.009		0.009
114	2001C3		14.3	20.8		1 NA	Data in lieu	0.0038	0.0029	0.0051		0.0039	0.016	0.016	0.016		0.016
115	2001C2		20.3	24.6		1 NA	Data in lieu	0.0035	0.0029	0.0035		0.0033	0.016	0.016	0.016		0.016
116	2001C1		21.4	24.1		1 NA	Data in lieu	0.0433	0.0424	0.0405		0.0421	0.711	0.700	0.696		0.702
117	2001C4		22.4	34.8		1 NA	Data in lieu	0.0920	0.0907	0.0952		0.0926	0.668	0.669	0.669		0.669

Data Summary: Liquid 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	
4					Category	Class	Type	Acronym		Furnace	Demil	Waste		Dates	Description	
5																
118	2008A	2008C1	Sun Company, Inc. (R & M Philadelphia		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	6/1/1999	
119	2012A	2012C2	E.I. Du Pont Nemours & Co	Victoria	Liquid boiler	Liquid-fired boiler	Liquid-fired	?	Liq	No	No	No	OS	No	5/1/1999 Risk burn	
120	232A	232C11	Solutia (Chocolate Bayou F Alvin		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	9/1/1997 Trial burn; max waste feed, max prod ra	
121	232A	232C10	Solutia (Chocolate Bayou F Alvin		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	9/1/1997 Trial burn; low temp "worst-case" organi	
122	721A	721C12	Celanese Ltd	Bay City	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1998 Risk burn; typical feedrate	
123	721A	721C10	Celanese Ltd	Bay City	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1998 Trial burn; max waste feed	
124	733A	733C1	Dow Chemical Co.	Torrance	Liquid boiler	Liquid-fired boiler	Liquid inject	None	Liq	No	No	No	OS	No	7/1/1992 CoC; max waste feed	
125	739A	739C11	Rohm and Haas Company Bristol		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	10/1/1998 CoC, acryloid coatings waste blend, ma	
126	739A	739C10	Rohm and Haas Company Bristol		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	10/1/1998 CoC, 3-stage waste bottoms (TSB)	
127	739B	739C11	Rohm and Haas Company Bristol		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	10/1/1998 CoC, acryloid coatings waste blend, ma	
128	739B	739C10	Rohm and Haas Company Bristol		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	10/1/1998 CoC, 3-stage waste bottoms (TSB)	
129	759A	759C3	E.I. duPont de Nemours & Orange		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1998 Risk burn	
130	759A	759C1	E.I. duPont de Nemours & Orange		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	6/1/1995 CoC; max comb temp, haz waste feed a	
131	761A	761C5	E.I. duPont de Nemours & Orange		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	12/1/1998 Risk burn	
132	761A	761C1	E.I. duPont de Nemours & Orange		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	6/1/1995 CoC; max haz waste feed rate	
133	761A	761C3	E.I. duPont de Nemours & Orange		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	12/1/1998 Trial burn; PM	
134	767A	767C5	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	10/1/1995 CoC; max prod rate, no ash spiking	
135	767A	767C2	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; less aggressive max waste feed a	
136	767A	767C4	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; similar to C1 but higher prod rate,	
137	767A	767C1	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; max waste feedrate and steam pro	
138	767B	767C5	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	10/1/1995 CoC; max prod rate, no ash spiking	
139	767B	767C2	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; less aggressive max waste feed a	
140	767B	767C4	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; similar to C1 but higher prod rate,	
141	767B	767C1	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; max waste feedrate and steam pro	
142	767C	767C5	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	10/1/1995 CoC; max prod rate, no ash spiking	
143	767C	767C2	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; less aggressive max waste feed a	
144	767C	767C4	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; similar to C1 but higher prod rate,	
145	767C	767C1	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; max waste feedrate and steam pro	
146	767D	767C5	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	10/1/1995 CoC; max prod rate, no ash spiking	
147	767D	767C2	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; less aggressive max waste feed a	
148	767D	767C4	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; similar to C1 but higher prod rate,	
149	767D	767C1	Goodyear Tire and Rubber Beaumont		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1995 CoC; max waste feedrate and steam pro	
150	772A	772C10	Lonza, Inc.	Pasadena	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	2/1/1997 CoC; max waste feedrate	
151	774A	774C1	Equistar Chemicals, LP - C Channelvie		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	9/1/1998 CoC; max feeds for T-303 bottoms and	
152	774B	774C1	Equistar Chemicals, LP - C Channelvie		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	9/1/1998 CoC; max feeds for T-303 bottoms and	
153	774C	774C1	Equistar Chemicals, LP - C Channelvie		Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	9/1/1998 CoC; max feeds for T-303 bottoms and	
154	811A	811C10	Fina Oil & Chemical Co.	La Porte	Liquid boiler	Liquid-fired boiler	Liquid-fired	VS	Liq	No	No	No	OS	No	12/1/1998 CoC; max feedrate	
155	811A	811C11	Fina Oil & Chemical Co.	La Porte	Liquid boiler	Liquid-fired boiler	Liquid-fired	VS	Liq	No	No	No	OS	No	12/1/1998 CoC; min venturi dP	
156	819A	819C1	Rhone-Poulenc AG Comp	Charleston	Liquid boiler	Liquid-fired boiler	Liquid-fired	ESP	Liq	No	No	No	OS	No	3/1/1998 CoC; high haz waste feed rate	
157	822A	822C2	Exxon Chemical Co.	Baton Roug	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1997 Risk burn, max waste feed	
158	843A	843C1	Dow Chemical Company	Freeport	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1998 Trial burn, max waste feed rate, max co	
159	843B	843C1	Dow Chemical Company	Freeport	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1998 Trial burn, max waste feed rate, max co	
160	911A	911C5	Aristech Chemical Corpora	Haverhill	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1998 CoC; LHC waste fuel	
161	911A	911C7	Aristech Chemical Corpora	Haverhill	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	10/1/1998 CoC; HHC waste fuel	
162	911B	911C5	Aristech Chemical Corpora	Haverhill	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	7/1/1998 CoC; LHC waste fuel	
163	911B	911C7	Aristech Chemical Corpora	Haverhill	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	10/1/1998 CoC; HHC waste fuel	
164	2020	2020C1	Dow Chemical Company	Freeport	Liquid boiler	Liquid-fired boiler	Liquid-fired	WHB/VS/WS	Liq	No	No	No	OS	No	2/1/1999 Trial burn, max waste feed, max op tem	
165	3034	3034C1	Shell Chemicals	Deer Park	LFB	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	No	No	7/13/2000 Trial burn, normal operating	
166	3034	3034C2	Shell Chemicals	Deer Park	LFB	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	No	No	7/14/2000 Risk burn, normal operating	
167	3035	3035C1	Bostik, Inc.	Middleton	LFB	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	No	No	11/23/1999 CoC, normal operation	
168																
169																
170																
171	Sources Shutdown or No Longer Burning Hazardous Wastes															
172	753	753C11	Union Carbide Corp.	Hahnville	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	3/1/1998 Trial burn (ash spiking)	
173	849	849C1	Dow Chemical Company	Freeport	Liquid boiler	Liquid-fired boiler	Liquid-fired	VS/WS	Liq	No	No	No	OS	No	6/1/1998 Trial burn, max feed rate, max comb ten	

Data Summary: Liquid Fuel Boilers, Particulate Matter

	2	22	29	30	31	32	33	34	35	36	37	38	55	56	57	58	59	60	61	62	63
2	Cond ID	Ash	SB	PM Emissions			PM Stack (gr/dscf)						Ash SRE								
3	Number	Spiking	Run	Campaign	Rating	Rating Comments	R1	R2	R3	R SB	Cond Avg	No SB Run	Campaign	Rating	Comment						
4			Number	Number								Cond Avg	Number								
5																					
118	2008C1	L	R2	1	NA	Data in lieu	0.0165		0.0102	0.0417	0.0204	0.0134	1	NA	PM not controlled, SRE set to 0; data in lieu						
119	2012C2	N	No	1	NA	Assume N; data in lieu	0.0022	0.0021	0.0021		0.0021	0.0021	1	NA	Assume PM not controlled; data in lieu						
120	232C11	te	No	1	NA	Data in lieu	0.0010	0.0011	0.0010		0.0010	0.0010	1	NA	PM not controlled, SRE set to 0; data in lieu						
121	232C10	c destructi	No	1	NA	Assume N; data in lieu	0.0018	0.0015	0.0021		0.0018	0.0018	1	NA	PM not controlled, SRE set to 0; data in lieu						
122	721C12	N	No	1	NA	Data in lieu	0.0242	0.0300	0.0232		0.0258	0.0258									
123	721C10	Y	No	1	NA	Data in lieu	0.0414	0.0457	0.0481		0.0451	0.0451	1	NA	PM not controlled, SRE set to 0; data in lieu						
124	733C1	Y	No	1	NA	Data in lieu	0.0020	0.0021	0.0013		0.0018	0.0018									
125	739C11	Y	R2	1	NA	Data in lieu	0.0123		0.0116	0.0985	0.0336	0.0120	1	NA	PM not controlled, SRE set to 0; data in lieu						
126	739C10	Y	R2	1	NA	Data in lieu	0.0265		0.0289	0.1014	0.0461	0.0277	1	NA	PM not controlled, SRE set to 0; data in lieu						
127	739C11	Y	R2	1	NA	Data in lieu	0.0123		0.0116	0.0985	0.0336	0.0120	1	NA	PM not controlled, SRE set to 0; data in lieu						
128	739C10	Y	R2	1	NA	Data in lieu	0.0265		0.0289	0.1014	0.0461	0.0277	1	NA	PM not controlled, SRE set to 0; data in lieu						
129	759C3	N	No	1	NA	Data in lieu	0.0043	0.0047	0.0040		0.0043	0.0043									
130	759C1	Y	R3	1	NA	Data in lieu	0.0125	0.0133		0.0152	0.0137	0.0129	1	NA	Assume PM not controlled; data in lieu						
131	761C5	N	No	1	NA	Data in lieu	0.0005	0.0007	0.0003		0.0005	0.0005									
132	761C1	Y	No	1	NA	Data in lieu	0.0041	0.0042	0.0060		0.0048	0.0048	1	NA	PM not controlled, SRE set to 0; data in lieu						
133	761C3	Y	No	1	NA	Data in lieu	0.0149	0.0115	0.0106		0.0123	0.0123	1	NA	PM not controlled, SRE set to 0; data in lieu						
134	767C5	Y	R3	1	NA	Data in lieu	0.0018	0.0021		0.0092	0.0023	0.0020									
135	767C2	Y	R3	1	NA	Data in lieu	0.0190	0.0190		0.0200	0.0140	0.0190	1	NA	PM not controlled, SRE set to 0; data in lieu						
136	767C4	Y	R3	1	NA	Data in lieu	0.0270	0.0190		0.0750	0.0280	0.0230	1	NA	PM not controlled, SRE set to 0; data in lieu						
137	767C1	Y	R3	1	NA	Data in lieu	0.0360	0.0310		0.0960	0.0350	0.0335	1	NA	PM not controlled, SRE set to 0; data in lieu						
138	767C5	Y	R3	1	NA	Data in lieu	0.0018	0.0021		0.0092	0.0023	0.0020									
139	767C2	Y	R3	1	NA	Data in lieu	0.0190	0.0190		0.0200	0.0140	0.0190	1	NA	PM not controlled, SRE set to 0; data in lieu						
140	767C4	Y	R3	1	NA	Data in lieu	0.0270	0.0190		0.0750	0.0280	0.0230	1	NA	PM not controlled, SRE set to 0; data in lieu						
141	767C1	Y	R3	1	NA	Data in lieu	0.0360	0.0310		0.0960	0.0350	0.0335	1	NA	PM not controlled, SRE set to 0; data in lieu						
142	767C5	Y	R3	1	NA	Data in lieu	0.0018	0.0021		0.0092	0.0023	0.0020									
143	767C2	Y	R3	1	NA	Data in lieu	0.0190	0.0190		0.0200	0.0140	0.0190	1	NA	PM not controlled, SRE set to 0; data in lieu						
144	767C4	Y	R3	1	NA	Data in lieu	0.0270	0.0190		0.0750	0.0280	0.0230	1	NA	PM not controlled, SRE set to 0; data in lieu						
145	767C1	Y	R3	1	NA	Data in lieu	0.0360	0.0310		0.0960	0.0350	0.0335	1	NA	PM not controlled, SRE set to 0; data in lieu						
146	767C5	Y	R3	1	NA	Data in lieu	0.0018	0.0021		0.0092	0.0023	0.0020									
147	767C2	Y	R3	1	NA	Data in lieu	0.0190	0.0190		0.0200	0.0140	0.0190	1	NA	PM not controlled, SRE set to 0; data in lieu						
148	767C4	Y	R3	1	NA	Data in lieu	0.0270	0.0190		0.0750	0.0280	0.0230	1	NA	PM not controlled, SRE set to 0; data in lieu						
149	767C1	Y	R3	1	NA	Data in lieu	0.0360	0.0310		0.0960	0.0350	0.0335	1	NA	PM not controlled, SRE set to 0; data in lieu						
150	772C10	Y	No	1	NA	Data in lieu	0.0045	0.0029	0.0020		0.0036	0.0036	1	NA	PM not controlled, SRE set to 0; data in lieu						
151	774C1	Y	R3	1	NA	Data in lieu	0.0248	0.0228		0.0375	0.0284	0.0238	1	NA	PM not controlled, SRE set to 0; data in lieu						
152	774C1	Y	R3	1	NA	Data in lieu	0.0248	0.0228		0.0375	0.0284	0.0238	1	NA	PM not controlled, SRE set to 0; data in lieu						
153	774C1	Y	R3	1	NA	Data in lieu	0.0248	0.0228		0.0375	0.0284	0.0238	1	NA	PM not controlled, SRE set to 0; data in lieu						
154	811C10	Y	R3	1	NA	Data in lieu	0.0146	0.0129		0.0139	0.0138	0.0138	1	NA	PM not controlled, SRE set to 0; data in lieu						
155	811C11	Y	R3	1	NA	Data in lieu	0.0268	0.0294		0.0494	0.0325	0.0281	1	NA	PM not controlled, SRE set to 0; data in lieu						
156	819C1	Y	R2	1	NA	Data in lieu	0.0171		0.0187	0.0176	0.0178	0.0179	1	NA	PM not controlled, SRE set to 0; data in lieu						
157	822C2	Y	No	1	NA	Data in lieu	0.0016	0.0015	0.0017		0.0016	0.0016	1	NA	PM not controlled, SRE set to 0; data in lieu						
158	843C1	Y	No	1	NA	Data in lieu	0.0130	0.0120	0.0260		0.0170	0.0170	1	NA	PM not controlled, SRE set to 0; data in lieu						
159	843C1	Y	No	1	NA	Data in lieu	0.0130	0.0120	0.0260		0.0170	0.0170	1	NA	PM not controlled, SRE set to 0; data in lieu						
160	911C5		No	1	NA	Data in lieu	0.0019	0.0011	0.0010		0.0013	0.0013	1	NA	PM not controlled, SRE set to 0; data in lieu						
161	911C7		No	1	NA	Data in lieu	0.0175	0.0183	0.0215		0.0246	0.0246	1	NA	PM not controlled, SRE set to 0; data in lieu						
162	911C5		No	1	NA	Data in lieu	0.0019	0.0011	0.0010		0.0013	0.0013	1	NA	PM not controlled, SRE set to 0; data in lieu						
163	911C7		No	1	NA	Data in lieu	0.0175	0.0183	0.0215		0.0246	0.0246	1	NA	PM not controlled, SRE set to 0; data in lieu						
164	2020C1	Y		1	CT		0.009	0.008	0.008		0.009		1	CT							
165	3034C1			1	CT		0.025	0.039	0.06		0.0413										
166	3034C2			1	NA	Risk burn	0.025	0.039	0.06		0.0413										
167	3035C1			1	CT		0.0060	0.0037	0.0035		0.0044										
168																					
169																					
170																					
171	Shutdown c																				
172	753C11	Y	R3	1	CT		0.0240	0.0221		0.0541	0.0286	0.0231	1	CT	PM not controlled, SRE set to 0						
173	849C1	Y	No	1	IB		0.0041	0.0031	0.0033		0.0035	0.0035	1	CT							

Data Summary: Liquid Fuel Boilers, Particulate Matter

	2	64	65	66	67	68	69	80	81	82	83	84	85	86	87	88	89	90	91	101	103	104	105	106	107	108	109	110	112	113	
2	Cond ID	Ash SRE (%)												Ash SRE Used for Ranking Purposes (%)								Ash Feed (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	RM	MF	Total											
4																															
5																															
118	2008C1	-169.02						-19.53		-401.74																					17
119	2012C2																0.00			0.00								0			37
120	232C11	78.79								79.03																					11
121	232C10	-3950.00								-3275.00																					0
122	721C12																														0
123	721C10	> 15.89	>							-165.06	>																				67
124	733C1																														35
125	739C11									67.17																					9
126	739C10									-184.13																					69
127	739C11									67.17																					42
128	739C10									-184.13																					79
129	759C3									-25.53																					42
130	759C1									67.17																					79
131	761C5									-25.53																					42
132	761C1									67.17																					42
133	761C3									-684.02																					42
134	767C5									67.17																					42
135	767C2									-153.97																					42
136	767C4									67.17																					42
137	767C1									-684.02																					42
138	767C5									67.17																					42
139	767C2									-153.97																					42
140	767C4									67.17																					42
141	767C1									-684.02																					42
142	767C5									67.17																					42
143	767C2									-153.97																					42
144	767C4									67.17																					42
145	767C1									-684.02																					42
146	767C5									67.17																					42
147	767C2									-153.97																					42
148	767C4									67.17																					42
149	767C1									-684.02																					42
150	772C10									67.17																					42
151	774C1									-153.97																					42
152	774C1									67.17																					42
153	774C1									-153.97																					42
154	811C10									67.17																					42
155	811C11									-153.97																					42
156	819C1									67.17																					42
157	822C2									-153.97																					42
158	843C1									67.17																					42
159	843C1									-153.97																					42
160	911C5									67.17																					42
161	911C7									-153.97																					42
162	911C5									67.17																					42
163	911C7									-153.97																					42
164	2020C1									67.17																					42
165	3034C1									-153.97																					42
166	3034C2									67.17																					42
167	3035C1									-153.97																					42
168										67.17																					42
169										-153.97																					42
170										67.17																					42
171	Shutdown c									-153.97																					42
172	753C11									67.17																					42
173	849C1									-153.97																					42

Data Summary: Liquid Fuel Boilers, Particulate Matter

2	114	115	116	117	118	119	120	121	122	123	124	125	136	137	138	139	140	141	142	143	144	145	162	163	164	165	166	167	
3	Ash Feedrate Total (mg/dscm)																Ash Feedrate Hazardous Wastes and Spike (mg/dscm)										Thermal Fe		
4	Cond ID	Number	R1	ND	R2	ND	R3	ND	R4	ND	R5	ND	R6	R SB	ND	Cond Avg	ND	R1	ND	R2	ND	R3	ND	R SB	ND	Cond Avg	HW	Coal	
5																													
118	2008C1		14				19							19		17		14					19		19		17		192.8
119	2012C2	100	37	100	39	100	36									37	100	37	100	39	100	36		100		37		176.5	
120	232C11		11		12		10									11		11		12		10				11		128.6	
121	232C10		0		0		0									0		0		0		0				0		49.7	
122	721C12																												63.0
123	721C10	1.3	112	4	40	3	50							2		67	1.3	112	4	40	3	50		3		67		91.2	
124	733C1	100	29	100	39	100	36							100		35	100	29	100	39	100	36		100		35		4.3	
125	739C11		79				80							78		79		79				80		78		79		35.2	
126	739C10		44				52							29	0	42		44				52		29		42		20.0	
127	739C11		79				80							78		79		79				80		78		79		35.2	
128	739C10		44				52							29	0	42		44				52		29		42		20.0	
129	759C3																												0.0
130	759C1	0	51	0	52								0	54	0	52	0	51	0	52			0	54	0	52		118.3	
131	761C5																												0.0
132	761C1	0	31	0	22	0	43							0		31	0	31	0	22	0	43		0		32		126.0	
133	761C3															31													0.0
134	767C5																												0.0
135	767C2	0	161	0	155								0	154	0	157	0	161	0	155			0	154	0	157		79.3	
136	767C4	0	176	0	139								0	162	0	159	0	176	0	139			0	162	0	159		93.0	
137	767C1		234		218									225		226		234		218			225		226		226		84.6
138	767C5																												0.0
139	767C2	0	161	0	155								0	154	0	157	0	161	0	155			0	154	0	157		79.3	
140	767C4	0	176	0	139								0	162	0	159	0	176	0	139			0	162	0	159		93.0	
141	767C1		234		218									225		226		234		218			225		226		226		84.6
142	767C5																												0.0
143	767C2	0	161	0	155								0	154	0	157	0	161	0	155			0	154	0	157		79.3	
144	767C4	0	176	0	139								0	162	0	159	0	176	0	139			0	162	0	159		93.0	
145	767C1		234		218									225		226		234		218			225		226		226		84.6
146	767C5																												0.0
147	767C2	0	161	0	155								0	154	0	157	0	161	0	155			0	154	0	157		79.3	
148	767C4	0	176	0	139								0	162	0	159	0	176	0	139			0	162	0	159		93.0	
149	767C1		234		218									225		226		234		218			225		226		226		84.6
150	772C10		25		20		20									22		25		20		20				22		9.2	
151	774C1		124		154									132		137		124		154			132		137		137		83.6
152	774C1		124		154									132		137		124		154			132		137		137		83.6
153	774C1		124		154									132		137		124		154			132		137		137		83.6
154	811C10		1,547		1,562									1,378		1,496		1,547		1,562			1,378		1,496		42.8		42.8
155	811C11		3,395		3,247									3,366		3,336		3,395		3,247			3,366		3,336		25.6		25.6
156	819C1	0	1,285			0	1,174						0	1,098		1,190	0	1,285			0	1,174	0	1,098	0	1,186		77.0	
157	822C2		10		14		17									13		10		14			17		13		13		44.2
158	843C1	0	43	0	45	0	40						0	43	0	43	0	43	0	45	0	40		0	43		43		72.3
159	843C1	0	43	0	45	0	40						0	43	0	43	0	43	0	45	0	40		0	43		43		72.3
160	911C5		0		0		0									0		0		0		0		0		0		0.0	
161	911C7		111		119		111									114		111		119		111				114		0.0	
162	911C5		0		0		0									0		0		0		0		0		0		0.0	
163	911C7		111		119		111									114		111		119		111				114		0.0	
164	2020C1		52		46		60									54													0.0
165	3034C1																												0.0
166	3034C2																												0.0
167	3035C1		53		21		12									29		51		19		11				27		0.0	
168																													0.0
169																													0.0
170																													0.0
171	Shutdown																												0.0
172	753C11	0	163	0	154	0	160						0	159	0	159	0	163	0	154	0	160		0	159		159		35.0
173	849C1	0	14	0	14	0	14						0	14	0	14	0	14	0	14	0	14		0	14		14		31.0

Data Summary: Liquid Fuel Boilers, Particulate Matter

	2	168	169	170	171	172	173	175	177	179	187	189	191	193	195	203	205
2	Cond ID	ed Cond Avg (MMBtu/hr)			Thermal Emissions Rating			PM HW Thermal Emiss (lb/MMBtu)					Ash in HW (lb/MMBtu)				
3	Number	MF	Total	Est Tot	Camp No	Rating	Comments	R1	R2	R3	R SB	Cond Avg	R1	R2	R3	R SB	Cond Avg
4																	
5																	
118	2008C1		192.8	219.6	1	NA	Data in lieu	0.0344		0.0229	0.0948	0.0449	0.013		0.019	0.019	0.017
119	2012C2		182.9	360.1	1	NA	Data in lieu	0.0089	0.0079	0.0087		0.0085	0.065	0.064	0.064		0.064
120	232C11		128.6	560.6	1	NA	Data in lieu	0.0092	0.0083	0.0086		0.0087	0.043	0.039	0.036		0.039
121	232C10		49.7	569.4	1	NA	Data in lieu	0.0398	0.0326	0.0457		0.0394	0.001	0.001	0.001		0.001
122	721C12		63.0	379.3	1	NA	Data in lieu	0.2874	0.3539	0.2584		0.2999					
123	721C10		91.2	408.8	1	NA	Data in lieu	0.3452	0.4015	0.4249		0.3905	0.408	0.154	0.192		0.251
124	733C1	2.5	6.8	8.3	1	NA	Data in lieu	0.0087	0.0067	0.0046		0.0067	0.056	0.055	0.055		0.055
125	739C11	79.5	114.7	111.3	1	NA	Data in lieu					0.2051					0.210
126	739C10	87.0	107.0	115.2	1	NA	Data in lieu					0.0234					0.009
127	739C11	79.5	114.7	111.3	1	NA	Data in lieu					0.2051					0.210
128	739C10	87.0	107.0	115.2	1	NA	Data in lieu					0.0234					0.009
129	759C3		0.0	154.6													
130	759C1		118.3	284.3	1	NA	Data in lieu	0.0558	0.0626		0.0720	0.0635	0.099	0.107		0.112	0.106
131	761C5		0.0														
132	761C1		126.0	608.3	1	NA	Data in lieu	0.0402	0.0407	0.0509		0.0439	0.130	0.094	0.158		0.127
133	761C3		0.0														
134	767C5		0.0														
135	767C2		79.3	180.0	1	NA	Data in lieu	0.0480	0.0463		0.0501	0.0343	0.178	0.164		0.168	0.170
136	767C4	44.8	137.7	186.7	1	NA	Data in lieu	0.0575	0.0397		0.1712	0.0606	0.163	0.126		0.161	0.150
137	767C1	18.3	102.9	102.1	1	NA	Data in lieu	0.0800	0.0640		0.2734	0.0815	0.227	0.197		0.279	0.234
138	767C5		0.0														
139	767C2		79.3	180.0	1	NA	Data in lieu	0.0480	0.0463		0.0501	0.0343	0.178	0.164		0.168	0.170
140	767C4	44.8	137.7	186.7	1	NA	Data in lieu	0.0575	0.0397		0.1712	0.0606	0.163	0.126		0.161	0.150
141	767C1	18.3	102.9	102.1	1	NA	Data in lieu	0.0800	0.0640		0.2734	0.0815	0.227	0.197		0.279	0.234
142	767C5		0.0														
143	767C2		79.3	180.0	1	NA	Data in lieu	0.0480	0.0463		0.0501	0.0343	0.178	0.164		0.168	0.170
144	767C4	44.8	137.7	186.7	1	NA	Data in lieu	0.0575	0.0397		0.1712	0.0606	0.163	0.126		0.161	0.150
145	767C1	18.3	102.9	102.1	1	NA	Data in lieu	0.0800	0.0640		0.2734	0.0815	0.227	0.197		0.279	0.234
146	767C5		0.0														
147	767C2		79.3	180.0	1	NA	Data in lieu	0.0480	0.0463		0.0501	0.0343	0.178	0.164		0.168	0.170
148	767C4	44.8	137.7	186.7	1	NA	Data in lieu	0.0575	0.0397		0.1712	0.0606	0.163	0.126		0.161	0.150
149	767C1	18.3	102.9	102.1	1	NA	Data in lieu	0.0800	0.0640		0.2734	0.0815	0.227	0.197		0.279	0.234
150	772C10	20.0	29.2	24.8	1	NA	Data in lieu										0.049
151	774C1	153.0	0.0	228.7	1	NA	Data in lieu	0.1495	0.1132		0.1870	0.1496	0.326	0.333		0.287	0.315
152	774C1	153.0	0.0	228.7	1	NA	Data in lieu	0.1495	0.1132		0.1870	0.1496	0.326	0.333		0.287	0.315
153	774C1	153.0	0.0	228.7	1	NA	Data in lieu	0.1495	0.1132		0.1870	0.1496	0.326	0.333		0.287	0.315
154	811C10		40.0	67.6	1	NA	Data in lieu	0.0493	0.0404		0.0455	0.0420	2.279	2.132		1.967	2.126
155	811C11		23.1	31.6	1	NA	Data in lieu	0.0708	0.0780		0.1301	0.0774	3.912	3.757		3.867	3.845
156	819C1	43.9	121.0	132.7	1	NA	Data in lieu	0.0519		0.0621	0.0625	0.0583	1.701		1.700	1.700	1.700
157	822C2		44.2	44.1	1	NA	Data in lieu	0.0031	0.0029	0.0033		0.0031	0.008	0.011	0.014		0.011
158	843C1	81.4	153.7	164.6	1	NA	Data in lieu	0.0563	0.0538	0.1128		0.0743	0.080	0.088	0.076		0.081
159	843C1	81.4	153.7	164.6	1	NA	Data in lieu	0.0563	0.0538	0.1128		0.0743	0.080	0.088	0.076		0.081
160	911C5		0.0	179.1													
161	911C7		0.0	184.1													
162	911C5		0.0	179.1													
163	911C7		0.0	184.1													
164	2020C1																
165	3034C1																
166	3034C2																
167	3035C1																
168																	
169																	
170																	
171	shutdown c																
172	753C11		35.1	138.3	1	CT		0.1687	0.1760		0.4263	0.2176	0.498	0.535		0.550	0.528
173	849C1		31.0	49.3	1	IB		0.0126	0.0091	0.0112		0.0110	0.019	0.018	0.021		0.019

Data Summary: Liquid 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	
4					Category	Class	Type	Acronym		Furnace	Demil	Waste		Dates	Description	
5																
174	849	849C3	Dow Chemical Company	Freeport	Liquid boiler	Liquid-fired boiler	Liquid-fired	VS/WS	Liq	No	No	No	OS	No	9/1/1998	Trial burn, high capacity, max prod, max
175	910	910C1	Union Carbide Corporation	Texas City	Liquid boiler	Liquid-fired boiler	Liquid-fired	None	Liq	No	No	No	OS	No	5/1/1999	CoC/trial burn, max liquid waste feed, m

Data Summary: Liquid Fuel Boilers, Particulate Matter

	2	22	29	30	31	32	33	34	35	36	37	38	55	56	57	58	59	60	61	62	63
2	Cond ID	Ash	SB	PM Emissions			PM Stack (gr/dscf)							Ash SRE							
3	Number	Spiking	Run	Campaign	Rating	Rating Comments	R1	R2	R3	R SB	Cond Avg	No SB Run	Campaign	Rating	Comment						
4			Number	Number								Cond Avg	Number								
5																					
174	849C3	Y	No		1 CT		0.0120	0.0120	0.0110		0.0117	0.0117		1 IB							
175	910C1	Y	R3		1 CT		0.0354	0.0379		0.1204	0.0409	0.0367		1 CT	PM not controlled, SRE set to 0						

Data Summary: Liquid Fuel Boilers, Particulate Matter

	2	64	65	66	67	68	69	80	81	82	83	84	85	86	87	88	89	90	91	101	103	104	105	106	107	108	109	110	112	113
2	Cond ID	Ash SRE (%)						Ash SRE Used for Ranking Purposes (%)						Ash Feed (mg/dscm)																
3	Number	R1	R2	R3	R SB	Cond Avg	No SB	R1	R2	R3	R SB	Cond Avg	No SB	HW	Spike	RM	MF	Total												
4						Cond Avg	Cond Avg						Cond Avg																	
5																														
174	849C3	51.00	42.18	48.76		46.52	47	51.00	42.18	48.76		46.52	47	13	37			50												
175	910C1	48.25	45.62		-62.70	41.08	47	0.00	0.00			0.00	0	1	158			159												

Data Summary: Liquid Fuel Boilers, Particulate Matter

	2	114	115	116	117	118	119	120	121	122	123	124	125	136	137	138	139	140	141	142	143	144	145	162	163	164	165	166	167
2	Cond ID	Ash Feedrate Total (mg/dscm)															Ash Feedrate Hazardous Wastes and Spike (mg/dscm)										Thermal Fe		
3	Number	R1	R2	R3	R4	R5	R6	R SB	Cond Avg	R1	R2	R3	R SB	Cond Avg	HW	Coal													
4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
5																													
174	849C3	0	55	0	47	0	48		0	50	0	55	0	47	0	48		0	50	16.1									
175	910C1		154		157		167			159		154		157		167			159	52.0									

Data Summary: Liquid Fuel Boilers, Particulate Matter

	2	168	169	170	171	172	173	175	177	179	187	189	191	193	195	203	205
2	Cond ID	ed Cond Avg (MMBtu/hr)			Thermal Emissions Rating			PM HW Thermal Emiss (lb/MMBtu)					Ash in HW (lb/MMBtu)				
3	Number	MF	Total	Est Tot	Camp No	Rating	Comments	R1	R2	R3	R SB	Cond Avg	R1	R2	R3	R SB	Cond Avg
4																	
5																	
174	849C3		16.1	32.9	1	CT		0.0431	0.0473	0.0442		0.0448	0.086	0.080	0.085		0.084
175	910C1	131.0	183.0	201.4	1	CT		0.2675	0.3019		0.9019	0.3135	0.508	0.545		0.544	0.532