

US EPA ARCHIVE DOCUMENT

Data Summary: HCl Production Furnaces, Mercury

	1	2	3	4	5	6	8	13	15	16	17	18	19
2	Source ID	Cond ID	Facility Information		Combustor Information		APCS	Hazardous	Munitions	Chemical	Mixed	Comm	Gov't
3	Number	Number	Facility Name	City	Combustor	Combustor	Detailed	Wastes	Popping	Weapons	Radioactive	vs On-site	
4					Category	Class	Acronym		Furnace	Demil	Waste		
5													
6	788	788C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	MGCLREC/VS/SEP/DM	Liq	No	No	No	OS	No
7	845	845C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/Q/HCLABS/VS/WS	Liq	No	No	No	OS	No
8	853	853C10	Dupont Dow Elastomers	LaPlace	HCl production furnace	HCl Production Furnace	WQ/3STGHCIABS/S/CWS	Liq	No	No	No	OS	No
9	2018	2018C2	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/VS/Q/HCLABS/VS/CLWS	Liq	No	No	No	OS	No
10	2022	2022C3	PPG Industries, Inc.	Lake Charl	HCl production furnace	HCl Production Furnace	WHB, WS	Liq	No	No	No	OS	No
11	2022	2022C4	PPG Industries, Inc.	Lake Charl	HCl production furnace	HCl Production Furnace	WHB, WS	Liq	No	No	No	OS	No
12													
13													
14	Sources Shutdown or No Longer Burning Hazardous Wastes												
15	786	786C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	DQ/HCLABS/VS/CLWS	Liq	No	No	No	OS	No
16	842	842C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/HCLABS/WS	Liq	No	No	No	OS	No
17	844	844C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/HCLABS/WS	Liq	No	No	No	OS	No
18	848	848C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/HCIABS/CWS	Liq	No	No	No	OS	No
19	2017A	2017C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/Q/HCIABS/VE/CLWS	Liq	No	No	No	OS	No

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	2	20	21	22	25	30	31	32	33	34	35	36	37	38	57	58	
2	Cond ID	Condition Information			Hg		Hg Emissions			Hg Stack Emissions (ug/dscm) - ND in %							
3	Number	Cond	Cond Description		Spiking	Tier	Camp	Rating	Comments	R1		R2		R3		Cond Avg	
4		Dates					Number			ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss
5																	
6	788C3	11/1/1997	Risk burn, max liq waste feed rate, normal comb temp		N	1	1	N			0.2		0.2		0.1		0.2
7	845C3	4/1/1998	Risk burn, above normal feed of liq waste, normal comb temp		N	1	1	N	100	0.3	100	0.2	100	0.1	100		0.2
8	853C10	4/1/1997	Risk burn, normal operating cond		N	1	1	N	100	0.2	100	0.2	100	0.3	100		0.3
9	2018C2	4/1/1998	Risk burn, normal operating conditions		N	1	1	N	100	0.1	100	0.1	100	0.0	100		0.1
10	2022C3	5/1/2001	Normal comb temp		N	1	1	N		0.4		0.0		0.5			0.3
11	2022C4	5/1/2001	Risk burn, normal op cond, PCB containing material		N	1	1	N		0.1		0.1	100	0.4	66		0.2
12																	
13																	
14	shutdown c																
15	786C3	8/1/1998	Risk burn; normal operating conditions		N	1	1	N	100	0.7	100	0.4	100	0.2	100		0.4
16	842C3	5/1/1998	Risk burn, normal operating conditions		N	1	1	N	100	0.2	100	0.2	100	0.2	100		0.2
17	844C3	7/1/1998	Risk burn, slightly above normal liq waste feed rate, normal comb temp		N	1	1	N	100	0.1	100	0.1	100	0.1	100		0.1
18	848C3	6/1/1998	Risk burn, above normal liq waste feed rate, normal comb temp		N	1	1	N	100	0.1	100	0.1	100	0.1	100		0.1
19	2017C3	2/1/1998	Risk burn, normal operating conditions		N	1	1	NA	Data in lieu	0.1		0.0		0.0			0.0

Data Summary: HCI Production Furnaces, Mercury

	2	61	62	63	83	108	113	114	115	116	117	118	119	138	139
2	Cond ID	Hg SRE			SRE (%)	Feedrate, Cond Avg (ug/dscm)		Hg Total Feedrate (ug/dscm) - By Runs							
3	Number	Campaign	Rating	Comments	Cond Avg	HW	Total	R1		R2		R3		Cond Avg	
4		Number						ND	ND	ND	ND	ND	ND	ND	ND
5															
6	788C3					37	37	100	39.4	100	34.8	100	36.7	100	37
7	845C3					33.4	33.4	100	32.7	100	34.8	100	32.7	100	33.4
8	853C10					3.2	3.2	100	1.8	100	1.7	100	1.2	100	3.2
9	2018C2					7	7	100	7.5	100	6	100	7.7	100	7
10	2022C3 1	NA		Normal	39.4	0.5	0.5								0.5
11	2022C4														
12															
13															
14	shutdown c														
15	786C3					4.6	4.6	100	4.6	100	4.5	100	4.8	100	4.6
16	842C3					65.1	65.1	100	62.6	100	69	100	63.8	100	65.1
17	844C3					3.3	3.3	100	3.3	100	3.2	100	3.3	100	3.3
18	848C3					3.9	3.9	100	4	100	3.9	100	3.9	100	3.9
19	2017C3					7	7	100	7.1	100	6.9	100	7	100	7