

US EPA ARCHIVE DOCUMENT

Data Summary: HCl Production Furnaces, PCDD/PCDF

	1	2	3	4	5	6	8	9	10	13	15	16	17	18	19
2	Source ID	Cond ID	Facility Information		Combustor Information		APCS Detailed Acronym	Dry vs Wet APCS	Waste Heat Boiler	Hazardous Wastes	Munitions Popping Furnace	Chemical Weapons Demil	Mixed Radioactive Waste	Comm vs Onsite	Gov't
3	Number	Number	Facility Name	City	Combustor Category	Combustor Class									
4															
5															
6	788	788C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	MGCLREC/VS/SEP/DM	Wet	No	Liq	No	No	No	OS	No
7	845	845C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/Q/HCLABS/VS/WS	Wet	Yes	Liq	No	No	No	OS	No
8	851	851C1	The Dow Chemical Company	Pittsburg	HCl production furnace	HCl Production Furnace	Q/HCIABS/WS	Wet	No	Liq	No	No	No	OS	No
9	851	851C2	The Dow Chemical Company	Pittsburg	HCl production furnace	HCl Production Furnace	Q/HCIABS/WS	Wet	No	Liq	No	No	No	OS	No
10	851	851C3	The Dow Chemical Company	Pittsburg	HCl production furnace	HCl Production Furnace	Q/HCIABS/WS	Wet	No	Liq	No	No	No	OS	No
11	853	853C10	Dupont Dow Elastomers	LaPlace	HCl production furnace	HCl Production Furnace	WQ/3STGHCIABS/S/CWS	Wet	No	Liq	No	No	No	OS	No
12	854	854C1	Eastman Chemical Company, I	Longview	HCl production furnace	HCl Production Furnace	QT/ABS/WS	Wet	No	Liq	No	No	No	OS	No
13	2018	2018C2	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/VS/Q/HCLABS/VS/CLWS	Wet	Yes	Liq	No	No	No	OS	No
14	2022	2022C1	PPG Industries, Inc.	Lake Charl	HCl production furnace	HCl Production Furnace	WHB, WS	Wet	Yes	Liq	No	No	No	OS	No
15	2022	2022C2	PPG Industries, Inc.	Lake Charl	HCl production furnace	HCl Production Furnace	WHB, WS	Wet	Yes	Liq	No	No	No	OS	No
16	2022	2022C3	PPG Industries, Inc.	Lake Charl	HCl production furnace	HCl Production Furnace	WHB, WS	Wet	Yes	Liq	No	No	No	OS	No
17	2022	2022C4	PPG Industries, Inc.	Lake Charl	HCl production furnace	HCl Production Furnace	WHB, WS	Wet	Yes	Liq	No	No	No	OS	No
18															
19															
20	Sources Shutdown or No Longer Burning Hazardous Wastes														
21	786	786C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	DQ/HCLABS/VS/CLWS	Wet	No	Liq	No	No	No	OS	No
22	842	842C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/HCLABS/WS	Wet	Yes	Liq	No	No	No	OS	No
23	844	844C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/HCLABS/WS	Wet	Yes	Liq	No	No	No	OS	No
24	848	848C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/HCIABS/CWS	Wet	Yes	Liq	No	No	No	OS	No
25	2017	2017C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/Q/HCIABS/VE/CLWS	Wet	Yes	Liq	No	No	No	OS	No
26	2020	2020C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/VS/WS	Wet	Yes	Liq	No	No	No	OS	No
27	2017A	2017C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/Q/HCIABS/VE/CLWS	Wet	Yes	Liq	No	No	No	OS	No

Data Summary: HCl Production Furnaces, PCDD/PCDF

	2	20	21	30	31	32	33	34	35	36	37	38	57	58
2	Cond ID	Condition Information			D/F Emissions			D/F Stack Emission (ng TEQ/dscm)						
3	Number	Cond	Cond Description	Campaign	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	1	N Wet		3	0.02	3	0.02	3	0.02	3	0.02
7	845C3	4/1/1998	Risk burn, above normal feed of liq waste, normal comb temp	1	N Wet		0	0.53	0	0.49	0	0.51	0	0.51
8	851C1	10/31/1995	Trial burn, max comb chamber temp	1	N Wet				0	0.07	0	0.06	0	0.06
9	851C2	9/30/1995	Trial burn, min comb chamber temp	1	N Wet			0.06		0.05		0.05	0	0.05
10	851C3	9/30/1995	Risk burn, normal operating conditions	1	N Wet			0.04		0.05		0.06	0	0.05
11	853C10	4/1/1997	Risk burn, normal operating cond	1	N Wet		100	0.25	77	0.05	96	0.04	96	0.11
12	854C1	6/1/1998	Trial burn, worst case for organics destruction	1	N Wet		1	0.20	1	0.13	1	0.11	1	0.15
13	2018C2	4/1/1998	Risk burn, normal operating conditions	1	N Wet			0.57		0.56		0.45	0	0.53
14	2022C1	5/1/2001	Trial burn, min comb temp	1	N Wet		11	0.03	5	0.07	27	0.09	17	0.07
15	2022C2	5/1/2001	Trial burn, increased PCB feed rate	1	N Wet		3	0.09	8	0.05	5	0.06	5	0.06
16	2022C3	5/1/2001	Normal comb temp	1	N Wet		11	0.03	8	0.03	5	0.04	8	0.04
17	2022C4	5/1/2001	Risk burn, normal op cond, PCB containing material	1	N Wet		10	0.03	5	0.06	9	0.04	8	0.04
18														
19														
20	shutdown or l													
21	786C3	8/1/1998	Risk burn; normal operating conditions	1	N Wet		0	1.91	0	1.31	0	1.83	0	1.68
22	842C3	5/1/1998	Risk burn, normal operating conditions	1	N Wet		0	1.46	0	1.80	0	1.81	0	1.69
23	844C3	7/1/1998	Risk burn, slightly above normal liq waste feed rate, normal comb te	1	N Wet		0	1.03	0	1.02	0	1.01	0	1.02
24	848C3	6/1/1998	Risk burn, above normal liq waste feed rate, normal comb temp	1	N Wet		0	8.27	0	6.14	0	5.91	0	6.77
25	2017C3	2/1/1998	Risk burn, normal operating conditions	1	N Wet		0	1.92	0	1.97	0	2.37	0	2.09
26	2020C3	3/1/2000	Risk burn, normal operating cond of liq feed and comb temp	1	N Wet		6	0.09	0	0.14	0	0.13	1	0.12
27	2017C3	2/1/1998	Risk burn, normal operating conditions	1	NA	Data in lieu	0	1.92	0	1.97	0	2.37	0	2.09