

US EPA ARCHIVE DOCUMENT

Data Summary: Incinerators, PCDD/PCDF

	1	2	3	4	5	6	7	8	9	10	13	14	15	16	17	18	19
2	Source ID	Cond ID	Facility Information		Combustor Information			APCS	Dry vs Wet	Waste	Hazardous	Liquid	Munitions	Chemical	Radioactive	Commercial	Govt
3	Number	Number	Facility Name	City	Combustor Category	Combustor Class	Combustor Type	Detailed Acronym	APCS	Heat Boiler	Wastes	Popping Furnace	Weapons Demil	Mixed Waste	vs On-site		
4																	
5																	
6	222	222C13	WTI	East Liverpool	Incinerator	Commercial incinerator	Rotary kiln	WHB/SD/CI/ESP/Q/PBS	Dry	Yes	Liq, solid, sludge	No	No	No	No	Comm	No
7	222	222C12	WTI	East Liverpool	Incinerator	Commercial incinerator	Rotary kiln	WHB/SD/CI/ESP/Q/PBS	Dry	Yes	Liq, solid, sludge	No	No	No	No	Comm	No
8	222	222C11	WTI	East Liverpool	Incinerator	Commercial incinerator	Rotary kiln	WHB/SD/CI/ESP/Q/PBS	Dry	Yes	Liq, solid, sludge	No	No	No	No	Comm	No
9	222	222C10	WTI	East Liverpool	Incinerator	Commercial incinerator	Rotary kiln	WHB/SD/CI/ESP/Q/PBS	Dry	Yes	Liq, solid, sludge	No	No	No	No	Comm	No
10	222	222B3	WTI	East Liverpool	Incinerator	Commercial incinerator	Rotary kiln	WHB/SD/CI/ESP/Q/PBS	Dry	Yes	Liq, solid, sludge	No	No	No	No	Comm	No
11	222	222B5	WTI	East Liverpool	Incinerator	Commercial incinerator	Rotary kiln	WHB/SD/CI/ESP/Q/PBS	Dry	Yes	Liq, solid, sludge	No	No	No	No	Comm	No
12	222	222B4	WTI	East Liverpool	Incinerator	Commercial incinerator	Rotary kiln	WHB/SD/CI/ESP/Q/PBS	Dry	Yes	Liq, solid, sludge	No	No	No	No	Comm	No
13	222	222C7	WTI	East Liverpool	Incinerator	Commercial incinerator	Rotary kiln	WHB/SD/CI/ESP/Q/PBS	Dry	Yes	Liq, solid, sludge	No	No	No	No	Comm	No
14	222	222C6	WTI	East Liverpool	Incinerator	Commercial incinerator	Rotary kiln	WHB/SD/CI/ESP/Q/PBS	Dry	Yes	Liq, solid, sludge	No	No	No	No	Comm	No
15	222	222C5	WTI	East Liverpool	Incinerator	Commercial incinerator	Rotary kiln	WHB/SD/CI/ESP/Q/PBS	Dry	Yes	Liq, solid, sludge	No	No	No	No	Comm	No
16	222	222C4	WTI	East Liverpool	Incinerator	Commercial incinerator	Rotary kiln	WHB/SD/CI/ESP/Q/PBS	Dry	Yes	Liq, solid, sludge	No	No	No	No	Comm	No
17	222	222C1	WTI	East Liverpool	Incinerator	Commercial incinerator	Rotary kiln	WHB/SD/CI/ESP/Q/PBS	Dry	Yes	Liq, solid, sludge	No	No	No	No	Comm	No
18	222	222C2	WTI	East Liverpool	Incinerator	Commercial incinerator	Rotary kiln	WHB/SD/CI/ESP/Q/PBS	Dry	Yes	Liq, solid, sludge	No	No	No	No	Comm	No
19	222	222C3	WTI	East Liverpool	Incinerator	Commercial incinerator	Rotary kiln	WHB/SD/CI/ESP/Q/PBS	Dry	Yes	Liq, solid, sludge	No	No	No	No	Comm	No
20	327	327C10	Safety Kleen	Aragonite	Incinerator	Commercial incinerator	Rotary kiln	CI/SD/FF/WS/WS/WESP	Dry	No	Liq, solid	No	No	No	No	Comm	No
21	327	327C4	Safety Kleen	Aragonite	Incinerator	Commercial incinerator	Rotary kiln	CI/SD/FF/WS/WS/WESP	Dry	No	Liq, solid	No	No	No	No	Comm	No
22	327	327C5	Safety Kleen	Aragonite	Incinerator	Commercial incinerator	Rotary kiln	CI/SD/FF/WS/WS/WESP	Dry	No	Liq, solid	No	No	No	No	Comm	No
23	327	327C1	Safety Kleen	Aragonite	Incinerator	Commercial incinerator	Rotary kiln	CI/SD/FF/WS/WS/WESP	Dry	No	Liq, solid	No	No	No	No	Comm	No
24	327	327C2	Safety Kleen	Aragonite	Incinerator	Commercial incinerator	Rotary kiln	CI/SD/FF/WS/WS/WESP	Dry	No	Liq, solid	No	No	No	No	Comm	No
25	331	331C10	Ross Environmental Service	Grafton	Incinerator	Commercial incinerator	Rotary kiln	IWS	Wet	No	Liq, solid	No	No	No	No	Comm	No
26	331	331C1	Ross Environmental Service	Grafton	Incinerator	Commercial incinerator	Rotary kiln	IWS	Wet	No	Liq, solid	No	No	No	No	Comm	No
27	338	338C10	Dupont Sabine River Works	Orange	Incinerator	Onsite incinerator	Rotary kiln	FF/VS/CD	Dry	No	Liq, sludge	No	No	No	No	OS	No
28	340	340C10	Bayer Coporation	New Martinsville	Incinerator	Onsite incinerator	Fluidized bed	ESP/CI/WS	Dry	No	Liq, solid	No	No	No	No	OS	No
29	340	340C11	Bayer Coporation	New Martinsville	Incinerator	Onsite incinerator	Fluidized bed	ESP/CI/WS	Dry	No	Liq, solid	No	No	No	No	OS	No
30	340	340C12	Bayer Coporation	New Martinsville	Incinerator	Onsite incinerator	Fluidized bed	ESP/CI/WS	Dry	No	Liq, solid	No	No	No	No	OS	No
31	340	340C50	Bayer Coporation	New Martinsville	Incinerator	Onsite incinerator	Fluidized bed	ESP/CI/WS	Dry	No	Liq, solid	No	No	No	No	OS	No
32	344	344C10	Johnston Atoll Chemical Ag	Johnston Atoll	Incinerator	Onsite Incinerator, DoD	Liquid injection	WQ/VS/PBS/DM	Wet	No	Liq	Yes	No	Yes	No	OS	Yes
33	344	344C3	Johnston Atoll Chemical Ag	Johnston Atoll	Incinerator	Onsite Incinerator, DoD	Liquid injection	WQ/VS/PBS/DM	Wet	No	Liq	Yes	No	Yes	No	OS	Yes
34	346	346C1	Johnston Atoll Chemical Ag	Johnston Atoll	Incinerator	Onsite Incinerator, DoD	Rotary kiln	WQ/VS/PBS/DM	Wet	No	Solid	No	Yes	Yes	No	OS	Yes
35	346	346C10	Johnston Atoll Chemical Ag	Johnston Atoll	Incinerator	Onsite Incinerator, DoD	Rotary kiln	WQ/VS/PBS/DM	Wet	No	Solid	No	Yes	Yes	No	OS	Yes
36	347	347C9	Deseret Army Depot, TOCI	Tooele	Incinerator	Onsite incinerator, DoD	Rotary kiln	C/QT/VS/PBS/DM	Wet	No	Solid	No	Yes	Yes	No	OS	Yes
37	347	347C8	Deseret Army Depot, TOCI	Tooele	Incinerator	Onsite incinerator, DoD	Rotary kiln	C/QT/VS/PBS/DM	Wet	No	Solid	No	Yes	Yes	No	OS	Yes
38	348	348C10	Occidental Chemical Corp,	Niagara Falls	Incinerator	Incinerator	Liquid injection	QC/ABS/IWS	Wet	No	Liquid Organics, V	Yes	No	No	No	OS	No
39	348	348C2	Occidental Chemical Corp,	Niagara Falls	Incinerator	Incinerator	Liquid injection	QC/ABS/IWS	Wet	No	Liquid Organics, V	Yes	No	No	No	OS	No
40	348	348C3	Occidental Chemical Corp,	Niagara Falls	Incinerator	Incinerator	Liquid injection	QC/ABS/IWS	Wet	No	Liquid Organics, V	Yes	No	No	No	OS	No
41	348	348C4	Occidental Chemical Corp,	Niagara Falls	Incinerator	Incinerator	Liquid injection	QC/ABS/IWS	Wet	No	Liquid Organics, V	Yes	No	No	No	OS	No
42	357	357C10	DOE Oak Ridge K-25	Oak Ridge	Incinerator	Onsite Incinerator, gover	Rotary kiln	Q/VS/PBS/IWS	Wet	No	Liq, solid	No	No	No	Yes	OS	Yes
43	357	357C11	DOE Oak Ridge K-25	Oak Ridge	Incinerator	Onsite Incinerator, gover	Rotary kiln	Q/VS/PBS/IWS	Wet	No	Liq, solid	No	No	No	Yes	OS	Yes
44	357	357C50	DOE Oak Ridge K-25	Oak Ridge	Incinerator	Onsite Incinerator, gover	Rotary kiln	Q/VS/PBS/IWS	Wet	No	Liq, solid	No	No	No	Yes	OS	Yes
45	454	454C10	FMC Corporation, Agricultu	Baltimore	Incinerator	Onsite incinerator	Liquid injection	Q/S/WESP	Wet	No	Liq	Yes	No	No	No	OS	No
46	454	454C11	FMC Corporation, Agricultu	Baltimore	Incinerator	Onsite incinerator	Liquid injection	Q/S/WESP	Wet	No	Liq	Yes	No	No	No	OS	No
47	467	467C50	PPG (or WASTE-TECH SE	Lake Charles	Incinerator	Onsite incinerator	Liquid injection	C/S	Wet	No	Liq, solid, sludge	Yes	No	No	No	OS	No
48	467	467C1	PPG (or WASTE-TECH SE	Lake Charles	Incinerator	Onsite incinerator	Liquid injection	C/S	Wet	No	Liq, solid, sludge	Yes	No	No	No	OS	No
49	470	470C1	JACADS	Johnston Atoll	Incinerator	Onsite incinerator, DoD	(Moving hearth	WQ/VS/PBS/DM	Wet	No	Solid	No	Yes	Yes	No	OS	Yes
50	470	470C10	JACADS	Johnston Atoll	Incinerator	Onsite incinerator, DoD	(Moving hearth	WQ/VS/PBS/DM	Wet	No	Solid	No	Yes	Yes	No	OS	Yes
51	470	470C11	JACADS	Johnston Atoll	Incinerator	Onsite incinerator, DoD	(Moving hearth	WQ/VS/PBS/DM	Wet	No	Solid	No	Yes	Yes	No	OS	Yes
52	470	470C12	JACADS	Johnston Atoll	Incinerator	Onsite incinerator, DoD	(Moving hearth	WQ/VS/PBS/DM	Wet	No	Solid	No	Yes	Yes	No	OS	Yes
53	477	477C5	AMERICAN CYANAMID	HANNIBAL	Incinerator	Onsite incinerator	Liquid injection	QT/PT/VS/DM	Wet	No	Liq	Yes	No	No	No	OS	No
54	478	478C10	American Cyanamid Comp	Palmyra	Incinerator	Onsite incinerator	Liquid injection	Q/VS/DM	Wet	No	Liq	Yes	No	No	No	OS	No
55	478	478C1	American Cyanamid Comp	Palmyra	Incinerator	Onsite incinerator	Liquid injection	Q/VS/DM	Wet	No	Liq	Yes	No	No	No	OS	No
56	480	480C1	CIBA-GEIGY CORPORATI	ST. GABRIEL	Incinerator	Onsite incinerator	Rotary kiln	QC/HS	Wet	No	Liq, sludge, solid	No	No	No	No	OS	No
57	488	488C1	ROLLINS ENVIRONMENT	DEER PARK	Incinerator	Commercial incinerator	Rotary kiln	SS/PT/VS/DM	Wet	No	Liq, sludge, solid	No	No	No	No	Comm	No
58	490	490C12	Ciba Specialty Chemicals C	McINTOSH	Incinerator	Onsite incinerator	Rotary kiln	SS/VS/PBS/VS	Wet	No	Liq, sludge	No	No	No	No	OS	No
59	492	492C10	Eastman Chemical Compar	Longview	Incinerator	Onsite incinerator	Fluidized bed	HE/VS/PB/DM	Wet	No	Liq, sludge	No	No	No	No	OS	No
60	493	493C1	TOCDF, Deseret Army Dep	Tooele	Incinerator	Onsite incinerator, DoD	(Liquid injection	C/QT/VS/PBS/DM	Wet	No	Sludge	Yes	No	Yes	No	OS	Yes
61	494	494C1	Deseret Army Depot, TOCI	TOOELE	Incinerator	Onsite incinerator, gover	Fixed hearth	C/QT/VS/PBS/DM	Wet	No	Sludge	No	No	Yes	No	OS	Yes
62	494	494C50	Deseret Army Depot, TOCI	TOOELE	Incinerator	Onsite incinerator, gover	Fixed hearth	C/QT/VS/PBS/DM	Wet	No	Sludge	No	No	Yes	No	OS	Yes
63	495	495C10	PPG	Circleville	Incinerator	Onsite incinerator	Rotary kiln	WHB/ESP/IDF/QT/PBS	Dry	Yes	solid, liq, sludge	No	No	No	No	OS	No
64	495	495C11	PPG	Circleville	Incinerator	Onsite incinerator	Rotary kiln	WHB/ESP/IDF/QT/PBS	Dry	Yes	solid, liq, sludge	No	No	No	No	OS	No
65	503	503C12	Lake City Army Ammunition	Independence	Incinerator	Onsite Incinerator, gover	Rotary kiln	AB/HTHE/LTHE/C/FF	Dry	Yes	Solid, liq	No	Yes	No	No	OS	Yes
66	600	600C11	Dow Chemical Company	Freeport	Incinerator	Onsite incinerator	Rotary kiln	WHB/Q/IWS/CB	Wet	Yes	Liq, solid	No	No	No	No	OS	No

Data Summary: Incinerators, PCDD/PCDF

2	20	21	28	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	57	58	
2	Cond ID	Condition Information		Dry APCD	D/F Emissions			D/F Emissions (TEQ, ng/dscm), (ND in % of Total)																					
3	Number	Cond	Cond Description	Temp (°F)	Camp	Rating	Rating	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	Cond	Avg										
4		Dates		Cond Avg	Number		Comments	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss
5																													
6	222C13	11/1/1998	2000 Annual Performance Test	393	1	N		0	0.156	0	0.145	0	0.057	14	0.061	10	0.138	6	0.056								4	0.102	
7	222C12	11/1/1998	1999 Annual Performance Test	399	2	N				3	0.095	4	0.049	6	0.047	6	0.049										5	0.060	
8	222C11	11/1/1998	1998 Annual Performance Test	386	3	N		0	0.360	0	0.429	0	0.231	0	0.089	0	0.101										0	0.242	
9	222C10	7/1/1997	1997 Annual Performance Test	400	4	N		7	0.008	6	0.009	5	0.017	7	0.008	5	0.013										6	0.011	
10	222B3	9/12/1995	ANNUAL PERFORMANCE TEST, NORM WASTE F		5	N		4	0.030	16	0.013	16	0.013	8	0.024	11	0.018										10	0.019	
11	222B5	12/1/1994	QUARTERLY COMPLIANCE, NORMAL CONDITIO		6	N			0.024		0.023		0.062		0.022		0.015	0.011		0.011		0.011		0.017		0.026	0	0.022	
12	222B4	8/1/1994	QUARTERLY COMPLIANCE, NORMAL CONDITIO		7	N			0.017		0.010		0.016		0.017		0.018	0.021		0.021							0	0.017	
13	222C7	5/1/1994	?/CARBON INJECTION	383	8	N		0	0.037	0	0.036	0	0.035	0	0.032	0	0.026										0	0.033	
14	222C6	4/1/1994	MAX WASTE/ASH FEED, CARBON IN.	359	9	CT		0	0.084	0	0.072	0	0.057	0	0.056												0	0.067	
15	222C5	2/1/1994	?/ CARBON INJECTION	383	10	N		5	0.098	4	0.041	5	0.061	5	0.064	7	0.071										5	0.067	
16	222C4	7/30/1993	RE-TEST PCDD/PCDF/ CARBON INJE	382	11	NA	NE - research test	0	0.449	2	0.162	2	0.169	6	0.148	5	0.183										2	0.222	
17	222C1	5/1/1993	MAX FEED METALS,CL2,SCC TEMP,K	411	12	NA	NE - system was late	0	4.089	0	1.864	0	4.843														0	3.599	
18	222C2	5/1/1993	MAX FEED SLUDGE,SCC AQ.LIQ, NO	385	12	NA	NE - system was late	0	1.705	0	1.113	0	0.822														0	1.213	
19	222C3	5/1/1993	MAX FEED SOLIDS, MIN SCC TEMP.,	380	12	NA	NE - system was late	0	1.503	0	2.576	0	2.553														0	2.211	
20	327C10	6/1/2001	Trial burn, to set oper limits on all constituents		1	NA	Cl system was not fu	17	0.283	17	0.323	16	0.251														17	0.286	
21	327C4	8/1/1994	Evaluation testing, HIGH, LOW APCD T	433	2	NA	NE - research test	0	1.420	0	1.959	0	0.947														0	1.442	
22	327C5	8/1/1994	Research test, HIGH, LOW APCD TEMI	448	2	NA	NE - research test	10	0.951	3	0.899	0	0.570														5	0.807	
23	327C1	5/1/1992	Trial burn, MAX LIQUID AND DIRECT E	470	3	CT		0	1.424	0	1.964	0	0.950														0	1.446	
24	327C2	3/1/1992	Trial burn, MAX SLUDGE FEED RATE	466	3	IB		0	0.954	0	0.902	0	0.571														0	0.809	
25	331C10	10/1/2000	Low temperature, DRE, high solids, APCD detuned		1	N	Wet APCS	0	0.239	3	0.183	3	0.199														2	0.207	
26	331C1	3/1/1993	Air Test (Normal Operation)		2	N	Wet APCS	21	0.068	84	0.017	11	0.106														21	0.064	
27	338C10	7/1/2000	Trial - risk burn (DRE)	479	1	N	Assumed normal bec	100	0.238	100	0.220	82	0.273														93	0.244	
28	340C10	7/1/1998	Baseline test		1	NA	NE - baseline test	0	3.689																		0	3.689	
29	340C11	7/1/1998	Carbon injected rate 1		1	NA	NE - Research test	0	0.559		0.674																0	0.617	
30	340C12	7/1/1998	Carbon injected rate 2		1	NA	NE - Research test	0	0.517	0	0.239																0	0.378	
31	340C50	1/1/1992	Results of PCDD/PCDF testing in 1992		2	NA	NE - system was later mo	16.000																			0	16.000	
32	344C10	4/1/1997	Agent GB (Sarin) trial burn		1	NA	No longer burn haz w	100	0.010	100	0.013	100	0.011	100	0.008												100	0.011	
33	344C3	8/1/1992	STEADY STATE CONDITIONS		1	NA	No longer burn haz w	97	0.083	100	0.088	98	0.085	98	0.094												98	0.088	
34	346C1	3/1/1992	Trial burn, NOMINAL CONDITIONS		1	NA	No longer burn haz w	53	0.141	98	0.114	98	0.125	100	0.119												86	0.125	
35	346C10	2/1/1998	GB Trial Burn		1	NA	No longer burn haz w	100	0.023	100	0.019	100	0.017	100	0.028												100	0.022	
36	347C9	11/1/1998	Trial burn, agent GB		0	N	Wet APCS	100	0.004	100	0.003	100	0.003														100	0.003	
37	347C8	1/1/1997	DRE FOR AGENT FEED GB		1	N	Wet APCS	83	0.003	80	0.003	83	0.004														82	0.003	
38	348C10	10/1/1997	Trial Burn, Maximum Combined waste and fuel oil fe		1	N	Wet APCS	0	0.016	0	0.028	0	0.040														0	0.028	
39	348C2	4/16/1995	Trial burn, LOW COMB TEMP/HIGH WASTE FEED		2	N	Wet APCS	32	0.064	32	0.080	54	0.055														38	0.066	
40	348C3	4/16/1995	Trial burn, HIGH COMB TEMP/HIGH WASTE FEED		2	N	Wet APCS	13	0.030	32	0.040	58	0.040														36	0.037	
41	348C4	4/16/1995	Trial burn, LOW COMB TEMP/HIGH WASTE FEED		2	N	Wet APCS	85	0.021	89	0.032	92	0.071														90	0.042	
42	357C10	5/1/2001	Trial burn, low temp, DRE, solid PCBs		1	N	Wet APCS	9	0.039	5	0.057	6	0.065	0													6	0.054	
43	357C11	5/1/2001	Trial burn, low temp, DRE, liquid PCBs		1	N	Wet APCS	21	0.038	13	0.044	34	0.027														21	0.036	
44	357C50	1/1/1995	PCDD/PCDF data from 1995 testing provided to EP,		2	N	Wet APCS	0	0.005		0.200		0.200														0	0.135	
45	454C10	7/1/2000	Trial burn, high temperature operation, spiking of asl		1	N	Wet APCS	0	0.022	0	0.029	0	0.043														0	0.031	
46	454C11	10/1/2000	Trial burn, minimum furnace temperature		1	N	Wet APCS	2	0.021	19	0.025	1	0.019														8	0.022	
47	467C50	1/1/1997	PCDD/PCDF data only as reported in Inc Conf		1	N	Wet APCS	0	0.080		0.090		0.250														0	0.140	
48	467C1	10/6/1987	?		2	N	Wet APCS	30	0.042	87	0.081	98	1.277														95	0.466	
49	470C1	8/16/1992	Trial burn, steady state condition		1	NA	No longer burn haz w	99	0.086	99	0.097	33	0.161	98	0.103												75	0.112	
50	470C10	3/1/2001	Halogenated waste trial burn, no metals spiking nor		1	NA	No longer burn haz w	100	0.030	100	0.027	0	0.023	0	0.026												54	0.026	
51	470C11	3/1/1999	Trial burn, low temp, no metals spiking		1	NA	No longer burn haz w	100	0.009	100	0.008	100	0.015	100	0.015												100	0.012	
52	470C12	3/1/1998	Trial burn burn, GB-8inch M426 feed		1	NA	No longer burn haz w	100	0.021	100	0.026	100	0.022	100	0.018												100	0.022	
53	477C5	8/13/1996	DIOXIN/FURAN EMISSIONS TESTING - AQUEOU:		1	N	Wet APCS	51	0.007	74	0.005	35	0.011														49	0.008	
54	478C10	10/1/1997	Trial burn, minimum oper cond		1	N	Wet APCS	5	0.081	8	0.082	5	0.030														6	0.064	
55	478C1	3/13/1996	DIOXIN/FURAN EMISSIONS TEST - AQUEOUS/OI		2	N	Wet APCS	33	0.010	59	0.006	55	0.007														47	0.008	
56	480C1	12/1/1993	CONTAINER FEED		1	N	Wet APCS	30	0.016	83	0.007	22	0.022														35	0.015	
57	488C1	4/1/1989			1	N	Wet APCS	38	0.088	7	0.076	23	0.089														23	0.085	
58	490C12	4/1/2000	Reasonable worst case, low temp PIC risk burn		1	N	Wet APCS	0	0.008	0	0.017	38	0.006														8	0.010	
59	492C10	10/1/1998	Trial burn - min temp/DRE		1	N	Wet APCS	2	0.098	22	0.022	26	0.019														9	0.046	
60	493C1	2/7/1997	Trial burn, DRE FOR AGENT FEED GB		1	N	Wet APCS	87	0.003	85	0.003	85	0.002														86	0.003	
61	494C1	4/15/1997	Trial Burn, DRE FOR AGENT FEED GB		1	N	Wet APCS	55	0.074	99	0.012	19	0.053														45	0.046	
62	494C50	4/1/1995			1	N	Wet APCS	0	0.007		0.008		0.008														0	0.008	
63	495C10	11/19/1997	Trial Burn, Low Temperature, DRE Test	525	1	N		0	1.503	0	4.455	0	3.625														0	3.194	
64	495C11	11/20/1997	Trial Burn, High Temperature, Metals Sp	600	1	CT		0	51.018	0	22.																		

Data Summary: Incinerators, PCDD/PCDF

	1	2	3		4	5			6	7	8	9	10	13	14	15	16	17	18	19	
2	Source ID	Cond ID	Facility Information		Combustor Information			APCS	Dry vs Wet	Waste	Hazardous	Liquid	Munitions	Chemical	Radioactive	Commercial	Govt				
3	Number	Number	Facility Name	City	Combustor Category	Combustor Class	Combustor Type	Detailed Acronym	APCS	Heat Boiler	Wastes	Popping Furnace	Weapons Demil	Mixed Waste	vs On-site	Commercial	Govt				
4																					
5																					
67	603	603C10	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial incinerator	Rotary kiln	WQ/ABS/4-IWS	Wet	No	Liq,soild	No	No	No	No	Comm	No				
68	603	603C12	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial incinerator	Rotary kiln	WQ/ABS/4-IWS	Wet	No	Liq,soild	No	No	No	No	Comm	No				
69	603	603C13	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial incinerator	Rotary kiln	WQ/ABS/4-IWS	Wet	No	Liq,soild	No	No	No	No	Comm	No				
70	603	603B3	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial incinerator	Rotary kiln	WQ/ABS/4-IWS	Wet	No	Liq,soild	No	No	No	No	Comm	No				
71	603	603C3	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial incinerator	Rotary kiln	WQ/ABS/4-IWS	Wet	No	Liq,soild	No	No	No	No	Comm	No				
72	603	603C4	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial incinerator	Rotary kiln	WQ/ABS/4-IWS	Wet	No	Liq,soild	No	No	No	No	Comm	No				
73	603	603C5	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial incinerator	Rotary kiln	WQ/ABS/4-IWS	Wet	No	Liq,soild	No	No	No	No	Comm	No				
74	603	603C2	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial incinerator	Rotary kiln	WQ/ABS/4-IWS	Wet	No	Liq,soild	No	No	No	No	Comm	No				
75	603	603B2	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial incinerator	Rotary kiln	WQ/ABS/4-IWS	Wet	No	Liq,soild	No	No	No	No	Comm	No				
76	603	603C1	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial incinerator	Rotary kiln	WQ/ABS/4-IWS	Wet	No	Liq,soild	No	No	No	No	Comm	No				
77	603	603C6	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial incinerator	Rotary kiln	WQ/ABS/4-IWS	Wet	No	Liq,soild	No	No	No	No	Comm	No				
78	609	609C10	Safety-Kleen Inc.	Deer Park	Incinerator	Commercial incinerator	Rotary kiln	S/PT/VS	Wet	No	Liq,solid	No	No	No	No	Comm	No				
79	609	609C1	Safety-Kleen Inc.	Deer Park	Incinerator	Commercial incinerator	Rotary kiln	S/PT/VS	Wet	No	Liq,solid	No	No	No	No	Comm	No				
80	610	610C12	Norco Chemical Plant-West	Norco	Incinerator	Onsite incinerator	Liquid injection	WHB/QS/AA/CS	Wet	Yes	Liq	Yes	No	No	No	OS	No				
81	611	611C13	Norco Chemical Plant-West	Norco	Incinerator	Onsite incinerator	Liquid injection	WHB/QS/AA/CS	Wet	Yes	Liquid wastes and	Yes	No	No	No	OS	No				
82	612	612C1	Trade Waste Incineration	Sauget	Incinerator	Commercial incinerator	Fixed hearth	SD/FF	Dry	No	solid,liq,sludge	No	No	No	No	Comm	No				
83	613	613C11	Eastman Chemical Compar	Longview	Incinerator	Onsite incinerator	Rotary kiln	WHB/QC/HES/PBS	Wet	Yes	Liq, solid, sludge	No	No	No	No	OS	No				
84	614	614C4	Occidental Chemical Corp.	Gregory	Incinerator	Onsite incinerator	Liquid injection	WHB/WQ/PB/SC	Wet	Yes	Liq and process vt	Yes	No	No	No	OS	No				
85	706	706C2	Ciba-Geigy Corporation	St. Gabriel	Incinerator	Onsite incinerator	Liquid injection	QT/HS/C/DM	Wet	No	Liq	Yes	No	No	No	OS	No				
86	706	706C3	Ciba-Geigy Corporation	St. Gabriel	Incinerator	Onsite incinerator	Liquid injection	QT/HS/C/DM	Wet	No	Liq	Yes	No	No	No	OS	No				
87	707	707C10	Dupont	LaPorte	Incinerator	Onsite incinerator	Liquid injection	SC/ABS/Q	Wet	No	Liq	Yes	No	No	No	OS	No				
88	712	712C10	Nepera Incorporated	Harriman	Incinerator	Onsite incinerator	Liquid injection	WHB	None	Yes	Liq	Yes	No	No	No	OS	No				
89	725	725C1	Zeneca	Bayonne	Incinerator	Onsite incinerator	Liquid injection	WS/QT	Wet	No	Liq	Yes	No	No	No	OS	No				
90	805	805C3	American Cyanamid	Hannibal	Incinerator	Onsite incinerator	Fixed hearth cor	QT/QS/VS/ES/PBS	Wet	No	Liq, solid	No	No	No	No	OS	No				
91	808	808C1	Dow Chemical Co.	Plaquemine	Incinerator	Onsite incinerator	Rotary kiln	QT/PBS/WESP	Wet	No	liq,solid,sludge	No	No	No	No	OS	No				
92	809	809C10	Eastman Chemical Compar	Kingsport	Incinerator	Onsite incinerator	Rotary kiln	Q/SC/GS/WESP	Wet	No	liq,solid	No	No	No	No	OS	No				
93	809	809C11	Eastman Chemical Compar	Kingsport	Incinerator	Onsite incinerator	Rotary kiln	Q/SC/GS/WESP	Wet	No	liq,solid	No	No	No	No	OS	No				
94	810	810C10	Eastman Chemical Compar	Kingsport	Incinerator	Onsite incinerator	Liquid injection	Q/SC/GS/WESP	Wet	No	Liq	Yes	No	No	No	OS	No				
95	825	825C12	General Electric Company,	Waterford	Incinerator	Onsite incinerator	Rotary kiln	QC/PTWS/IWS	Wet	No	Liq, solid, sludge	No	No	No	No	OS	No				
96	825	825C10	General Electric Company,	Waterford	Incinerator	Onsite incinerator	Rotary kiln	QC/PTWS/IWS	Wet	No	Liq, solid, sludge	No	No	No	No	OS	No				
97	915	915C2	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary kiln	Q/VS	Wet	No	Liq, solid	No	No	No	No	OS	No				
98	915	915C3	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary kiln	Q/VS	Wet	No	Liq, solid	No	No	No	No	OS	No				
99	3000	3000C1	Reynolds Metals Company	Gum Springs	Incinerator	Onsite incinerator	Rotary kiln	DS/FF/AB	Dry	No	Liq, solid	No	No	No	No	OS	No				
100	3000	3000C2	Reynolds Metals Company	Gum Springs	Incinerator	Onsite incinerator	Rotary kiln	DS/FF/AB	Dry	No	Liq, solid	No	No	No	No	OS	No				
101	3001	3001C1	PPG Industries, Inc.	Lake Charles	Incinerator	Onsite incinerator	Liquid injection	WS	Wet	No	Liq	Yes	No	No	No	OS	No				
102	3001	3001C2	PPG Industries, Inc.	Lake Charles	Incinerator	Onsite incinerator	Liquid injection	WS	Wet	No	Liq	Yes	No	No	No	OS	No				
103	3001	3001C4	PPG Industries, Inc.	Lake Charles	Incinerator	Onsite incinerator	Liquid injection	WS	Wet	No	Liq	Yes	No	No	No	OS	No				
104	3001	3001C5	PPG Industries, Inc.	Lake Charles	Incinerator	Onsite incinerator	Liquid injection	WS	Wet	No	Liq	Yes	No	No	No	OS	No				
105	3003	3003C1	CAMDS Tooele Army Depo	Tooele	Incinerator	Onsite incinerator, DoD	Rotary kiln	AB/C/Q/VS/PBS/DM	Wet	No	Solid	No	Yes	Yes	No	OS	Yes				
106	3003	3003C2	CAMDS Tooele Army Depo	Tooele	Incinerator	Onsite incinerator, DoD	Rotary kiln	AB/C/Q/VS/PBS/DM	Wet	No	Solid	No	Yes	Yes	No	OS	Yes				
107	3004	3004C1	TOCDF Desert Army Depot	Tooele	Incinerator	Onsite incinerator, DoD	Roller hearth	WQ/VS/PBS/DM	Wet	No	Liq, solid	No	Yes	Yes	No	OS	Yes				
108	3004	3004C2	TOCDF Desert Army Depot	Tooele	Incinerator	Onsite incinerator, DoD	Roller hearth	WQ/VS/PBS/DM	Wet	No	Liq, solid	No	Yes	Yes	No	OS	Yes				
109	3005	3005C1	Deseret Army Depot TOCD	Tooele	Incinerator	Onsite incinerator, DoD	Liquid injection	WQ/VS/PBS/DM	Wet	No	Liq	Yes	No	Yes	No	OS	Yes				
110	3005	3005C2	Deseret Army Depot TOCD	Tooele	Incinerator	Onsite incinerator, DoD	Liquid injection	WQ/VS/PBS/DM	Wet	No	Liq	Yes	No	Yes	No	OS	Yes				
111	3005	3005C3	Deseret Army Depot TOCD	Tooele	Incinerator	Onsite incinerator, DoD	Liquid injection	WQ/VS/PBS/DM	Wet	No	Liq	Yes	No	Yes	No	OS	Yes				
112	3006	3006C1	Crompton Corp OSi Group	Friendly	Incinerator	Onsite incinerator	Rotary kiln	Q/CCS/CFS/IWS	Wet	No	Liq, solid	No	No	No	No	OS	No				
113	3007	3007C1	Cytec Industries, Inc.	Willow Island	Incinerator	Onsite incinerator	Fluidized bed	WS	Wet	No	Liq, sludge	No	No	No	No	OS	No				
114	3007	3007C2	Cytec Industries, Inc.	Willow Island	Incinerator	Onsite incinerator	Fluidized bed	WS	Wet	No	Liq, sludge	No	No	No	No	OS	No				
115	3008	3008C4	Tooele Army Depot North	Tooele	Incinerator	Onsite incinerator, DoD	Rotary hearth	C/AB/FF	Dry	No	Liq, solid	No	Yes	No	No	OS	Yes				
116	3008	3008C1	Tooele Army Depot North	Tooele	Incinerator	Onsite incinerator, DoD	Rotary hearth	C/AB/FF	Dry	No	Liq, solid	No	Yes	No	No	OS	Yes				
117	3008	3008C2	Tooele Army Depot North	Tooele	Incinerator	Onsite incinerator, DoD	Rotary hearth	C/AB/FF	Dry	No	Liq, solid	No	Yes	No	No	OS	Yes				
118	3008	3008C3	Tooele Army Depot North	Tooele	Incinerator	Onsite incinerator, DoD	Rotary hearth	C/AB/FF	Dry	No	Liq, solid	No	Yes	No	No	OS	Yes				
119	3010	3010C18	Clean Harbors Environmen	Kimball County	Incinerator	Commercial incinerator	Fluid bed	HE/SDA/CI/FF	Dry	No	Solid and liq	No	No	No	No	Comm	No				
120	3010	3010C17	Clean Harbors Environmen	Kimball County	Incinerator	Commercial incinerator	Fluid bed	HE/SDA/CI/FF	Dry	No	Solid and liq	No	No	No	No	Comm	No				
121	3010	3010C16	Clean Harbors Environmen	Kimball County	Incinerator	Commercial incinerator	Fluid bed	HE/SDA/CI/FF	Dry	No	Solid and liq	No	No	No	No	Comm	No				
122	3010	3010C15	Clean Harbors Environmen	Kimball County	Incinerator	Commercial incinerator	Fluid bed	HE/SDA/CI/FF	Dry	No	Solid and liq	No	No	No	No	Comm	No				
123	3010	3010C14	Clean Harbors Environmen	Kimball County	Incinerator	Commercial incinerator	Fluid bed	HE/SDA/CI/FF	Dry	No	Solid and liq	No	No	No	No	Comm	No				
124	3010	3010C10	Clean Harbors Environmen	Kimball County	Incinerator	Commercial incinerator	Fluid bed	HE/SDA/CI/FF	Dry	No	Solid and liq	No	No	No	No	Comm	No				
125	3010	3010C12	Clean Harbors Environmen	Kimball County	Incinerator	Commercial incinerator	Fluid bed	HE/SDA/CI/FF	Dry	No	Solid and liq	No	No	No	No	Comm	No				
126	3010	3010C13	Clean Harbors Environmen	Kimball County	Incinerator	Commercial incinerator	Fluid bed	HE/SDA/CI/FF	Dry	No	Solid and liq	No	No	No	No	Comm	No				
127	3014	3014C1	3M Company	Cottage Grove	Incinerator	Onsite incinerator	Rotary kiln	Q/WESP/SC/S	Wet	No	Liq, solid	No	No	No	No	OS	No				

Data Summary: Incinerators, PCDD/PCDF

	1	2	3	4	5	6	7	8	9	10	13	14	15	16	17	18	19
2	Source ID	Cond ID	Facility Information		Combustor Information			APCS	Dry	Waste	Hazardous	Liquid	Munitions	Chemical	Mixed	Commercial Govt	
3	Number	Number	Facility Name	City	Combustor	Combustor	Combustor	Detailed	vs Wet	Heat	Wastes		Popping	Weapons	Radioactive	vs On-site	
4					Category	Class	Type	Acronym	APCS	Boiler			Furnace	Demil	Waste		
5																	
128	3014	3014C2	3M Company	Cottage Grove	Incinerator	Onsite incinerator	Rotary kiln	Q/WESP/SC/S	Wet	No	Liq, solid	No	No	No	No	OS	No
129	3016	3016C13	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Wet	No	Sludge	No	No	No	No	OS	No
130	3016	3016C14	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Wet	No	Sludge	No	No	No	No	OS	No
131	3016	3016C11	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Wet	No	Sludge	No	No	No	No	OS	No
132	3016	3016C9	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Wet	No	Sludge	No	No	No	No	OS	No
133	3016	3016C4	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Wet	No	Sludge	No	No	No	No	OS	No
134	3016	3016C2	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Wet	No	Sludge	No	No	No	No	OS	No
135	3018	3018C1	Squibb Manufacturing, Inc.	Humacao	Incinerator	Onsite incinerator	Liquid injection	Q/VS/PT/CHEAF	Wet	No	Liq	Yes	No	No	No	OS	No
136	3018	3018C2	Squibb Manufacturing, Inc.	Humacao	Incinerator	Onsite incinerator	Liquid injection	Q/VS/PT/CHEAF	Wet	No	Liq	Yes	No	No	No	OS	No
137	3019	3019C1	Squibb Manufacturing, Inc.	Humacao	Incinerator	Onsite incinerator	Liquid injection	Q/VS/PT/CHEAF	Wet	No	Liq	Yes	No	No	No	OS	No
138	3019	3019C2	Squibb Manufacturing, Inc.	Humacao	Incinerator	Onsite incinerator	Liquid injection	Q/VS/PT/CHEAF	Wet	No	Liq	Yes	No	No	No	OS	No
139	3021	3021C1	Merck Sharp and Dohme	Barceloneta	Incinerator	Onsite incinerator	Rotary kiln	WS	Wet	No	Liq, solid, sludge	No	No	No	No	OS	No
140	3021	3021C2	Merck Sharp and Dohme	Barceloneta	Incinerator	Onsite incinerator	Rotary kiln	WS	Wet	No	Liq, solid, sludge	No	No	No	No	OS	No
141	3025	3025C3	Union Carbide	Texas City	Incinerator	Onsite incinerator	Liquid injection	WQ/HE/DM/ME	Wet	No	Liq	Yes	No	No	No	OS	No
142	3028	3028C3	Oxy Vinyls, LP VCM Inciner	Deer Park	Incinerator	Onsite incinerator	Liquid injection	WQ/PB/SC/KO	Wet	Yes	Liq	Yes	No	No	No	OS	No
143	3032	3032C4	McAlester Army Ammunition	McAlester	Incinerator	Onsite Incinerator, DoD	Rotary kiln	AB/GC/C/FF	Dry	No	Solid	No	Yes	No	No	OS	Yes
144	3032	3032C5	McAlester Army Ammunition	McAlester	Incinerator	Onsite Incinerator, DoD	Rotary kiln	AB/GC/C/FF	Dry	No	Solid	No	Yes	No	No	OS	Yes
145	3028A	3028C3	Oxy Vinyls, LP VCM Inciner	Deer Park	Incinerator	Onsite Incinerator	Liquid injection	WQ/PB/SC	Wet	Yes	Liq	Yes	No	No	No	OS	No
146																	
147	Sources Shutdown or No Longer Burning Hazardous Wastes																
148																	
149	354	354C2	DOW CHEMICAL CO.	MIDLAND	Incinerator	Onsite incinerator	Rotary kiln	QC/AS/VS/DM/IWS	Wet	No	Liq, sludge, solid	No	No	No	No	OS	No
150	3024	3024C3	Dow Chemical Company	La Porte	Incinerator	Onsite incinerator	Liquid injection	Q/WSC/CSC	Wet	No	Liq	Yes	No	No	No	OS	No

Data Summary: Incinerators, PCDD/PCDF

2	20	21	28	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	57	58	
2	Cond ID	Condition Information		Dry APCD	D/F Emissions			D/F Emissions (TEQ, ng/dscm), (ND in % of Total)																					
3	Number	Cond	Cond Description	Temp (°F)	Camp	Rating	Rating	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	Cond Avg											
4		Dates		Cond Avg	Number		Comments	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss
5																													
128	3014C2	7/1/2001	Trial burn, max comb temp, max feedrate		1	N	Wet APCS	33	0.033	67	0.024	100	0.035														67	0.031	
129	3016C13	11/1/2001	Trial Burn, min secondary comb chamber (SCC) oper		1	N	Wet APCS	78	0.003	72	0.003	98	0.003														83	0.003	
130	3016C14	12/1/2001	Trial Burn, max waste feed, max SCC operating tem		1	N	Wet APCS	97	0.004	99	0.003	99	0.003														99	0.003	
131	3016C11	5/1/2001	Mini-burn, max feedrate, low temp		2	N	Wet APCS	49	0.002	47	0.002																48	0.002	
132	3016C9	7/1/2000	Mini-burn, max feedrate, max #3 hearth temp		3	N	Wet APCS	51	0.002	43	0.003	78	0.002														56	0.002	
133	3016C4	8/1/1995	Mini-burn, max feedrate		4	N	Wet APCS	0	0.001	0	0.023	0	0.000														0	0.008	
134	3016C2	3/1/1995	Mini-burn, low temp		5	N	Wet APCS		0.490		0.002																0	0.246	
135	3018C1	8/1/1998	Trial burn, min oper temp cond		1	N	Wet APCS	80	0.003	57	0.004	94	0.003														74	0.003	
136	3018C2	8/1/1998	Trial burn, elevated oper temp cond		1	N	Wet APCS	84	0.003	60	0.003	54	0.004														66	0.003	
137	3019C1	8/1/1998	Trial burn, min oper temp cond		1	N	Wet APCS	83	0.004	52	0.005	49	0.005	53	0.004												59	0.004	
138	3019C2	8/1/1998	Trial burn, elevated oper temp cond		1	N	Wet APCS	99	0.004	81	0.004	53	0.005														75	0.004	
139	3021C1	4/1/1996	Trial burn, min temp, solid and liquid waste		1	N	Wet APCS	4	0.264	3	0.250	3	0.212														3	0.242	
140	3021C2	4/1/1996	Trial burn, min temp, liquid waste only		1	N	Wet APCS	3	0.277	4	0.242	6	0.253														4	0.258	
141	3025C3	8/1/1999	Risk burn		1	N	Wet APCS	99	0.003	99	0.006	99	0.004														99	0.005	
142	3028C3	1/1/1999	Risk burn (Slightly higher than annual median waste		1	N	Wet APCS	0	0.825	0	0.698	1	0.300														0	0.608	
143	3032C4	2/1/1997	M17 low temperature		1	CT			0.387		0.079		0.055														0	0.174	
144	3032C5	2/1/1997	M17 high temperature		1	IB			0.042		0.054		0.029														0	0.042	
145	3028C3	1/1/1999	Risk burn (Slightly higher than annual median waste		1	NA	Wet APCS; data in lie	0	0.825	0	0.698	1	0.300														0	0.608	
146																													
147	Shutdown c																												
148																													
149	354C2	12/1/1991	Trial burn, LOW KILN TEMP, HIGH CL AND SOLID:		1	N	Wet APCS	3	0.008	10	0.006	16	0.007	2	0.016												6	0.009	
150	3024C3	7/1/1999	Risk burn		1	N	Wet APCS	42	0.010	30	0.011	19	0.011														30	0.010	