

US EPA ARCHIVE DOCUMENT

LWAK, 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 On-site	Gov't
3	Number	Number	Facility Name	City	Combustor Category	Combustor Class									
4															
5															
6	307	307C14	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Dry	Yes	Liq, solid	No	No	No	Comm	No
7	307	307C15	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Dry	Yes	Liq, solid	No	No	No	Comm	No
8	307	307C13	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Dry	Yes	Liq, solid	No	No	No	Comm	No
9	307	307C12	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Dry	Yes	Liq, solid	No	No	No	Comm	No
10	307	307C11	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Dry	Yes	Liq, solid	No	No	No	Comm	No
11	307	307C10	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Dry	Yes	Liq, solid	No	No	No	Comm	No
12	311	311C12	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Dry	No	Liq	No	No	No	Comm	No
13	311	311C11	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Dry	No	Liq	No	No	No	Comm	No
14	312	312C12	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Dry	No	Liq	No	No	No	Comm	No
15	312	312C11	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Dry	No	Liq	No	No	No	Comm	No
16	313	313C10	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Dry	No	Liq	No	No	No	Comm	No
17	314	314C10	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Dry	No	Liq	No	No	No	Comm	No
18	314	314C2	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Dry	No	Liq	No	No	No	Comm	No
19	336	336C11	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Dry	No	Liq	No	No	No	Comm	No
20	336	336C10	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Dry	No	Liq	No	No	No	Comm	No
21	336	336C2	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Dry	No	Liq	No	No	No	Comm	No
22	336	336C1	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Dry	No	Liq	No	No	No	Comm	No
23	474	474C12	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Dry	No	Liq	No	No	No	Comm	No
24	474	474C11	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Dry	No	Liq	No	No	No	Comm	No
25	476	476C10	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Dry	No	Liq	No	No	No	Comm	No
26	479	307C14	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Dry	Yes	Liq, solid	No	No	No	Comm	No
27	479	307C15	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Dry	Yes	Liq, solid	No	No	No	Comm	No
28	479	307C13	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Dry	Yes	Liq, solid	No	No	No	Comm	No
29	479	307C12	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Dry	Yes	Liq, solid	No	No	No	Comm	No
30	479	307C11	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Dry	Yes	Liq, solid	No	No	No	Comm	No
31	479	307C10	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Dry	Yes	Liq, solid	No	No	No	Comm	No

LWAK, PCDD/PCDF

2	20	21	28	30	31	32	33	34	35	36	37	38	57	58	
2	Cond ID	Condition Information		Dry	DF Emissions			DF Stack Gas Emissions (ng TEQ/dscm)							
3	Number	Cond	Cond Description	APCD	Campaign	Rating	Rating Comments	R1	R2	R3	Cond Avg				
4		Dates		Temp	Number			ND	Emiss	ND	Emiss	ND	Emiss	Emiss	
5															
6	307C14	7/1/2001	Risk Burn, metal feeds equiv. to June '01 permit	399	1	N		1	0.028	4	0.022	10	0.023	5	0.024
7	307C15	7/1/2001	Risk Burn, lower FF temp	375	1	N		9	0.035	1	0.098	1	0.123	2	0.085
8	307C13	7/1/2001	Risk Burn, metal feeds equiv. to Jan '97 permit	400	1	N		0	0.544	1	0.126	1	0.194	0	0.288
9	307C12	5/1/2000	Risk Burn, elevated waste feed rates, maximum temperat	400	2	NA	Not evaluated: report indicated metals spiking interferred	0	1.326	0	4.561	0	2.409	0	2.766
10	307C11	4/1/1999	Trial Burn, elevated operating temperature, metals spiking	441	3	CT	Copper spiked to maximize potential for D/F formation.	0	43.455	0	69.130	0	61.237	0	57.941
11	307C10	4/1/1999	Trial Burn, Minimum operating temperature	425	3	N		5	0.092	1	0.323	1	0.460	1	0.291
12	311C12	5/1/2000	Trial Burn, D/F Retest	352	1	NA	NE- Research testing, D/F retest at lower FF temperatur	0	4.588	0	4.364	0	9.467	0	6.140
13	311C11	11/1/1999	Trial Burn, organics DRE, HCl/Cl2 emissions limits	447	2	CT		0	36.508	0	27.141	0	5.479	0	23.043
14	312C12	5/1/2000	Trial Burn, D/F Retest	370	1	NA	NE- Research testing	0	0.476	0	0.529	0	0.562	0	0.523
15	312C11	11/1/1999	Trial Burn, organics DRE, HCl/Cl2 emissions limits	440	2	CT		0	8.377	0	12.999	0	15.536	0	12.304
16	313C10	12/1/1999	Trial Burn, organics DRE, HCl/Cl2 emissions limits	442	1	CT		0	3.396	0	2.015	0	2.560	0	2.657
17	314C10	12/1/1999	Trial Burn, organics DRE, HCl/Cl2 emissions limits	445	1	CT		0	0.991	0	1.157	0	1.767	0	1.305
18	314C2	12/1/1996	PCDD/PCDF EMISSIONS TESTING	417	2	NA	NE- Research testing	49	0.178	2	0.308	0	0.341	11	0.276
19	336C11	5/1/2000	Trial Burn, D/F and DRE Retest	361	1	NA	NE- Research testing	0	1.107	0	0.557	0	4.622	0	2.095
20	336C10	11/1/1999	Trial Burn, organics DRE, HCl/Cl2 emissions limits	444	2	CT		0	4.769	0	11.858	0	25.904	0	14.177
21	336C2	10/1/1993	DRE / dioxin testing, MAX CL FEED, low COMB TEMP	400	3	NA	NE- Research testing	33	0.036					33	0.036
22	336C1	10/1/1993	DRE / dioxin testing, MAX CL FEED, HIGH COMB TEMP	400	3	NA	NE- Research testing	0	0.047	19	0.035			8	0.041
23	474C12	5/1/2000	Trial Burn, D/F Retest	353	1	NA	NE- Research testing	0	0.121	0	0.156	0	0.225	0	0.168
24	474C11	11/1/1999	Trial Burn, organics DRE, HCl/Cl2 emissions limits	437	2	CT		0	19.983	0	22.846	0	19.020	0	20.617
25	476C10	12/1/1999	Trial Burn, organics DRE, HCl/Cl2 emissions limits	439	1	CT		0	0.916	0	0.989	0	0.854	0	0.919
26	307C14	7/1/2001	Risk Burn, metal feeds equiv. to June '01 permit	399	1	NA	Data from sister kiln 307	1	0.028	4	0.022	10	0.023	5	0.024
27	307C15	7/1/2001	Risk Burn, lower FF temp	375	1	NA	Data from sister kiln 307	9	0.035	1	0.098	1	0.123	2	0.085
28	307C13	7/1/2001	Risk Burn, metal feeds equiv. to Jan '97 permit	400	1	NA	Data from sister kiln 307	0	0.544	1	0.126	1	0.194	0	0.288
29	307C12	5/1/2000	Risk Burn, elevated waste feed rates, maximum temperat	400	2	NA	Data from sister kiln 307; Not evaluated: report indicat	0	1.326	0	4.561	0	2.409	0	2.766
30	307C11	4/1/1999	Trial Burn, elevated operating temperature, metals spiking	441	3	NA	Data from sister kiln 307; Copper spiked to maximize po	0	43.455	0	69.130	0	61.237	0	57.941
31	307C10	4/1/1999	Trial Burn, Minimum operating temperature	425	3	NA	Data from sister kiln 307	5	0.092	1	0.323	1	0.460	1	0.291