

US EPA ARCHIVE DOCUMENT

LWAK, PM

	1	2	3	4	5	6	7	8	13	15	16	17	18	19
2	Source ID	Cond ID	Facility Information		Combustor Information			APCS Detailed Acronym	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	Combustor Type							
4														
5														
6	307	307C10	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Liq, solid	No	No	No	Comm	No	
7	307	307C11	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Liq, solid	No	No	No	Comm	No	
8	307	307C1	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Liq, solid	No	No	No	Comm	No	
9	307	307C2	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Liq, solid	No	No	No	Comm	No	
10	307	307C3	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Liq, solid	No	No	No	Comm	No	
11	307	307C4	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Liq, solid	No	No	No	Comm	No	
12	311	311C11	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
13	311	311C10	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
14	311	311C1	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
15	312	312C11	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
16	312	312C10	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
17	312	312C2	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
18	312	312C1	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
19	313	313C10	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Liq	No	No	No	Comm	No	
20	313	313C11	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Liq	No	No	No	Comm	No	
21	313	313C12	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Liq	No	No	No	Comm	No	
22	313	313C1	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Liq	No	No	No	Comm	No	
23	314	314C10	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Liq	No	No	No	Comm	No	
24	314	314C11	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Liq	No	No	No	Comm	No	
25	314	314C3	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Liq	No	No	No	Comm	No	
26	314	314C1	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Liq	No	No	No	Comm	No	
27	336	336C10	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
28	336	336C3	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
29	336	336C1	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
30	336	336C2	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
31	336	336C5	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
32	474	474C11	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
33	474	474C10	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
34	474	474C1	Solite Corp	Cascade	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	QS/FF	Liq	No	No	No	Comm	No	
35	476	476C10	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Liq	No	No	No	Comm	No	
36	476	476C11	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Liq	No	No	No	Comm	No	
37	476	476C1	Solite Corp	Arvonnia	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	WQ/FF	Liq	No	No	No	Comm	No	
38	479	307C10	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Liq, solid	No	No	No	Comm	No	
39	479	307C11	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Liq, solid	No	No	No	Comm	No	
40	479	307C1	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Liq, solid	No	No	No	Comm	No	
41	479	307C2	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Liq, solid	No	No	No	Comm	No	
42	479	307C3	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Liq, solid	No	No	No	Comm	No	
43	479	307C4	Norlite Corp.	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	HE/MC/FF/VS/ME	Liq, solid	No	No	No	Comm	No	
44	479	479C1	THERMALKEM (NORLITE)	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	MC/HE/FF/VS/DM	Liq, solid	No	No	No	Comm	No	
45	479	479C2	THERMALKEM (NORLITE)	Cohoes	Lightweight aggregate kiln	Lightweight Aggregate Kiln (LWAK)	MC/HE/FF/VS/DM	Liq, solid	No	No	No	Comm	No	

LWAK, PM

	2	20	21	30	31	32	34	36	38	40	58	
2	Cond ID	Condition Information			PM Emissions			PM Stack Gas (gr/dscf)				
3	Number	Cond Description			Camp	Rating	Rating Comments	R1	R2	R3	R4	Cond Avg
4		Cond Dates			No							
5												
6	307C10	4/1/1999	Trial Burn, Minimum operating temperature	1	IB		0.01110	0.00310	0.00820		0.00747	
7	307C11	4/1/1999	Trial Burn, elevated operating temperature, metals spiking	1	CT		0.00770	0.01310	0.01350		0.01143	
8	307C1	12/1/1992	CoC, LOW COMB TEMP, LOW HALOGEN FEED	2	IB		0.00850	0.00760	0.01170	0.00600	0.00845	
9	307C2	12/1/1992	CoC, HIGH COMB TEMP, HIGH HALOGEN FEED	2	IB		0.01120	0.00820	0.00580	0.01570	0.01023	
10	307C3	12/1/1992	CoC, LOW COMB TEMP, HIGH HALOGEN FEED, HIGH SHW FEED	2	CT		0.01420	0.01300	0.03710	0.02540	0.02243	
11	307C4	12/1/1992	CoC, HIGH COMB TEMP, HIGH HALOGEN FEED, HIGH SHW FEED	2	IB		0.00810	0.00590	0.00560		0.00653	
12	311C11	11/1/1999	Trial Burn, organics DRE, HCl/Cl2 emissions limits	1	CT		0.00172	0.00154	0.00177		0.00168	
13	311C10	5/1/1999	COC, Metals SRE	1	IB		0.00148	0.00107	0.00112		0.00122	
14	311C1	6/1/1992	CoC, MAX HW FEED,MAX RAW MATERIAL	2	CT		0.00400	0.00700	0.00600		0.00567	
15	312C11	11/1/1999	Trial Burn, organics DRE, HCl/Cl2 emissions limits	1	CT		0.00410	0.00692	0.00520		0.00541	
16	312C10	5/1/1999	COC, Metals SRE	1	IB		0.00617	0.00440	0.00271		0.00443	
17	312C2	5/1/1995	CoC	2	CT		0.01470	0.01350	0.01110		0.01310	
18	312C1	8/8/1992	CoC, MAX HW FEED, MAX RAW MATERIAL	3	CT		0.00700	0.00500	0.01800		0.01000	
19	313C10	12/1/1999	Trial Burn, organics DRE, HCl/Cl2 emissions limits	1	IB		0.00746	0.02140	0.01460		0.01449	
20	313C11	5/1/1999	CoC, metals and chlorine SRE testing	1	IB		0.02240	0.02200	0.01120		0.01853	
21	313C12	5/1/1999	CoC, PM and chlorine retest	1	CT		0.05140	0.03720	0.02110		0.03657	
22	313C1	8/8/1992	MAX HW FEED,MAX RAW MATERIAL	2	CT		0.00800	0.00600	0.00600		0.00667	
23	314C10	12/1/1999	Trial Burn, organics DRE, HCl/Cl2 emissions limits	1	CT		0.06770	0.02880	0.02830		0.04160	
24	314C11	5/1/1999	CoC testing, metals and chlorine SRE demo	1	IB		0.03820	0.00452	0.00874		0.01715	
25	314C3	5/1/1995	MAX HW FEED,MAX RAW MATERIAL	2	CT		0.00307	0.00314	0.00134		0.00252	
26	314C1	8/8/1992	MAX HW FEED,MAX RAW MATERIAL	3	CT		0.01300	0.03000	0.03300		0.02533	
27	336C10	11/1/1999	Trial Burn, organics DRE, HCl/Cl2 emissions limits	1	CT		0.00403	0.00107	0.00173		0.00228	
28	336C3	5/1/1995		2	CT		0.00283	0.00168	0.00181		0.00211	
29	336C1	10/1/1993	DRE / dioxin testing, MAX CL FEED, HIGH COMB TEMP	3	N		0.00744	0.01085			0.00915	
30	336C2	10/1/1993	DRE / dioxin testing, MAX CL FEED, low COMB TEMP	3	N	Test condition consists of 1 run	0.00712				0.00712	
31	336C5	6/1/1992	CoC	4	CT		0.00400	0.00700	0.00600		0.00567	
32	474C11	11/1/1999	Trial Burn, organics DRE, HCl/Cl2 emissions limits	1	IB		0.00757	0.00331	0.00053		0.00380	
33	474C10	5/1/1999	COC, Metals SRE	1	CT		0.01470	0.00661	0.00451		0.00861	
34	474C1	6/1/1993	?	2	CT		0.00178	0.00501	0.00290		0.00323	
35	476C10	12/1/1999	Trial Burn, organics DRE, HCl/Cl2 emissions limits	1	IB		0.01140	0.01570	0.01100		0.01270	
36	476C11	12/1/1999	CoC, high temperature metals and chlorine testing	1	CT		0.03470	0.00964	0.02690		0.02375	
37	476C1	2/1/1993	?	2	CT		0.01080	0.01960	0.02970		0.02003	
38	307C10	4/1/1999	Trial Burn, Minimum operating temperature	1	NA	Data from sister kiln 307	0.01110	0.00310	0.00820		0.00747	
39	307C11	4/1/1999	Trial Burn, elevated operating temperature, metals spiking	1	NA	Data from sister kiln 307	0.00770	0.01310	0.01350		0.01143	
40	307C1	12/1/1992	CoC, LOW COMB TEMP, LOW HALOGEN FEED	2	NA	Data from sister kiln 307	0.00850	0.00760	0.01170	0.00600	0.00845	
41	307C2	12/1/1992	CoC, HIGH COMB TEMP, HIGH HALOGEN FEED	2	NA	Data from sister kiln 307	0.01120	0.00820	0.00580	0.01570	0.01023	
42	307C3	12/1/1992	CoC, LOW COMB TEMP, HIGH HALOGEN FEED, HIGH SHW FEED	2	NA	Data from sister kiln 307	0.01420	0.01300	0.03710	0.02540	0.02243	
43	307C4	12/1/1992	CoC, HIGH COMB TEMP, HIGH HALOGEN FEED, HIGH SHW FEED	2	NA	Data from sister kiln 307	0.00810	0.00590	0.00560		0.00653	
44	479C1	6/1/1990	100% LOW GRADE FUEL (LGF)	3	N	Data from 307 represents this kiln	0.01447	0.01297	0.01782	0.01914	0.01610	
45	479C2	6/1/1990	100% COAL	3	NA	Not evaluated: not burning hazardous \	0.01862	0.01505	0.01632		0.01667	

LWAK, PM

	2	64	65	66	67	68	69	70	71	82	83
2	Cond ID	SVM SRE (%)									
3	Number	R1	R2	R3	R4	Cond Avg					
4											
5											
6	307C10										
7	307C11	99.9744	99.9932	99.9933		99.9884					
8	307C1	99.9768	99.9842	99.9881	99.9859	99.9837					
9	307C2	99.9874	99.9850	99.9926	99.9916	99.9889					
10	307C3	99.9912	99.9959	99.9933	99.9969	99.9944					
11	307C4	99.9959	99.9958	99.9920		99.9945					
12	311C11										
13	311C10	99.9981	99.9996	99.9990		99.9989					
14	311C1	99.9519	99.8812	99.7616		99.8624					
15	312C11										
16	312C10	99.9841	99.9774	99.9778		99.9794					
17	312C2										
18	312C1	> 99.9648 >	99.8620 >	99.9007	>	99.9108					
19	313C10										
20	313C11	99.7763	99.7772	99.7897		99.7812					
21	313C12										
22	313C1	99.9597	99.8250	99.9395		99.9032					
23	314C10										
24	314C11	99.8147	99.8867	99.8660		99.8508					
25	314C3	99.9938	99.9924	99.9957		99.9940					
26	314C1	99.7847	99.7538	99.7454		99.7613					
27	336C10										
28	336C3										
29	336C1										
30	336C2										
31	336C5										
32	474C11										
33	474C10	99.9834	99.9728	99.9611		99.9727					
34	474C1	99.9939	99.9884	99.9894		99.9909					
35	476C10										
36	476C11	99.9001	99.8841	99.8402		99.8751					
37	476C1	99.9019	99.9031	99.8925		99.8989					
38	307C10										
39	307C11	99.9744	99.9932	99.9933		99.9884					
40	307C1	99.9768	99.9842	99.9881	99.9859	99.9837					
41	307C2	99.9874	99.9850	99.9926	99.9916	99.9889					
42	307C3	99.9912	99.9959	99.9933	99.9969	99.9944					
43	307C4	99.9959	99.9958	99.9920		99.9945					
44	479C1										
45	479C2										