

	B	C
1	Source Description	
2		
3	Phase I ID No.	311
4	EPA ID No.	VAD046970521
5	Facility Name	Solite Corp
6	Facility Location	
7	City	Cascade
8	State	Virginia
9	Unit ID Name/No.	Kiln #2
10	Other Sister Facilities	Kiln #1(336) for CoC(metals) only
11	Number of Sister Facilities	1
12	Combustor Class	Lightweight Aggregate Kiln (LWAK)
13	Combustor Type	
14	Combustor Characteristics	
15	Capacity (MMBtu/hr)	
16	Soot Blowing	
17	APCS Detailed Acronym	QS/FF
18	APCS General Class	FF
19	APCS Characteristics	BHA, Quench system (air and water). Baghouse (reverse air cleaning, 580 bags, cloth area = 29,155 ft2, net air to cloth ratio = 2.23:1, design operating temp < 450 °F at inlet), fiberglass cloth material
20	Hazardous Wastes	Liq
21	Haz Waste Description	The raw material was excavated from the Virginia Solite quarry
22	Supplemental Fuel	
23		
24	Stack Characteristics	
25	Diameter (ft)	4.3
26	Height (ft)	80
27	Gas Velocity (ft/sec)	17.8
28	Gas Temperature (°F)	346.4
29		
30	Permitting Status	
31	HWC Burn Status (Date if Terminated)	

	B	C
1	Condition Description	
2		
3	311C10	
4		
5	Report Name/Date	RCRA Testing, Kilns 1,2,3,4, Certification of Compliance, August 1999
6	Report Preparation	Solite/Entropy/Blue Ridge
7	Testing Firm	Entropy
8	Testing Dates	May 25-26, 1999
9	Cond Dates	May-99
10	Condition Descr	COC, Metals SRE
11	Content	CO, PM, HCl/Cl ₂ , Metals, Cr ⁺⁶
12		
13	311C11	
14		
15	Report Name/Date	Trial Burn Report, Solite Corp, Virginia Solite Div., March 2000
16	Report Preparation	Solite/Entropy/Blue Ridge
17	Testing Firm	Entropy
18	Testing Dates	November 8-19, 1999
19	Cond Dates	Nov-99
20	Condition Descr	Trial Burn, organics DRE, HCl/Cl ₂ emissions limits
21	Content	CO, PM, HCl/Cl ₂ , POHC DRE, PCCD/F
22		
23	311C12	
24		
25	Report Name/Date	Trial Burn Report, Kiln 1 DRE Retest, Kilns 1-4 D/F. Solite Corp, Virginia Solite Div., July 2000
26	Report Preparation	Solite/Entropy/B3 Systems
27	Testing Firm	Entropy
28	Testing Dates	May 9-19, 2000
29	Cond Dates	May-00
30	Condition Descr	Trial Burn, D/F Retest
31	Content	D/F, CO
32		
33	311C1	
34		
35	Report Name/Date	Emission Test Report for No. 4 Aggregate Kiln Solite Corporation, Leaksville Plant, Cascade, Virginia, Prepared by IEA, August 8, 1992
36	Report Prepare	IEA
37	Testing Firm	IEA
38	Cond Descr	CoC, MAX HW FEED, MAX RAW MATERIAL
39	Testing Dates	June 18, 1992
40	Cond Dates	Jun-92

	B	C	D	E	F	G	H	I	J	K	L	M
1	Stack Gas Emissions 1											
2												
3												
4	311C10	CoC				R1		R2		R3		Cond Avg
5												
6	PM	E1	gr/dscf	y		0.0015		0.0011		0.0011		0.0012
7	CO (RA)	E1	ppmv	y		18.4		19.8		65.3		34.5
8	CO (MHRA)	E1	ppmv	y		31.7		60.5		75.4		55.9
9	HCl	E1	ppmv	y		1421		1423		816		1220
10	Cl2	E1	ppmv	y		0.46		0.63		43.30		15
11	Total Chlorine	E1	ppmv	y		1422		1424		903		1250
12												
13												
14	Antimony		lb/hr			5.54E-04		1.94E-04		5.49E-05		
15	Arsenic		lb/hr			1.16E-04		1.15E-04		2.47E-04		
16	Barium		lb/hr			4.49E-05		6.19E-05		2.37E-05		
17	Beryllium		lb/hr		nd	4.01E-06	nd	3.95E-06	nd	3.95E-06		
18	Cadmium		lb/hr			5.17E-05	nd	1.58E-05		5.13E-05		
19	Chromium		lb/hr			7.62E-04		2.85E-04		4.50E-04		
20	Chromium (Hex)		lb/hr		nd	6.37E-05	nd	5.67E-05	nd	5.13E-05		
21	Cobalt		lb/hr			4.73E-05	nd	3.95E-05		1.42E-04		
22	Copper		lb/hr			2.17E-04		2.83E-05		3.01E-04		
23	Lead		lb/hr			2.06E-04		4.03E-05		8.29E-05		
24	Manganese		lb/hr			9.83E-04		2.75E-04		1.13E-03		
25	Mercury		lb/hr		nd	1.02E-04		1.67E-04	nd	1.01E-04		
26	Nickel		lb/hr			3.13E-03		2.99E-04		8.71E-03		
27	Selenium		lb/hr			5.05E-04		3.24E-04		2.11E-04		
28	Silver		lb/hr			2.40E-05	nd	1.58E-05		1.89E-05		
29	Thallium		lb/hr		nd	4.01E-05	nd	3.95E-05	nd	3.95E-05		
30	Zinc		lb/hr			1.43E-03		1.40E-04		6.53E-04		
31												
32	Sampling Train	PM, HCl/ E1										
33	Stack Gas Flowrate		dscfm			25002		25700		26989		25897
34	O2		%			15.7		15.9		15.3		15.6
35	Moisture		%			15.3		15.4		16.4		15.7
36	Temperature		°F			271		274		277		274
37												
38	Sampling Train	Metals E2										
39	Stack Gas Flowrate		dscfm			24685		25746		26011		
40	O2		%			15.7		15.9		15.3		
41	Moisture		%			15.6		16		16.4		
42	Temperature		°F			266		269		271		
43												
44												
45	Antimony	E2	ug/dscm	y		15.9		5.5		1.4		7.59
46	Arsenic	E2	ug/dscm	y		3.3		3.3		6.2		4.28
47	Barium	E2	ug/dscm	y		1.3		1.8		0.6		1.22
48	Beryllium	E2	ug/dscm	y	nd	0.1	nd	0.1	nd	0.1	100	0.11
49	Cadmium	E2	ug/dscm	y		1.5	nd	0.5		1.3		1.07
50	Chromium	E2	ug/dscm	y		21.8		8.1		11.4		13.76
51	Chromium (Hex)	E2	ug/dscm	y	nd	1.8	nd	1.6	nd	1.3	100	1.58
52	Cobalt	E2	ug/dscm	y		1.4	nd	1.1		3.6		2.02
53	Copper	E2	ug/dscm	y		6.2		0.8		7.6		4.87
54	Lead	E2	ug/dscm	y		5.9		1.1		2.1		3.05
55	Manganese	E2	ug/dscm	y		28.1		7.8		28.5		21.50
56	Mercury	E2	ug/dscm	y	nd	2.9		4.8	nd	2.5	53	3.41
57	Nickel	E2	ug/dscm	y		89.6		8.5		219.9		105.99
58	Selenium	E2	ug/dscm	y		14.4		9.2		5.3		9.67
59	Silver	E2	ug/dscm	y		0.7	nd	0.5		0.5		0.54
60	Thallium	E2	ug/dscm	y	nd	1.1	nd	1.1	nd	1.0	100	1.09
61	Zinc	E2	ug/dscm	y		40.9		4.0		16.5		20.46
62	LVM	E2	ug/dscm	y	0	25.2	1	11.5	1	17.7	0.6	18.15
63	SVM	E2	ug/dscm	y		7.4	28	1.6		3.4	3.6	4.12
64												
65	311C11	Trial Burn				R1		R2		R3		Cond Avg
66												
67												
68	PM	E1	gr/dscf	y		0.0017		0.0015		0.0018		0.0017
69	HCl	E1	ppmv	y		1623		1606		1497		1575
70	Cl2	E1	ppmv	y		2.52		0.72		3.45		2.23
71	Total Chlorine	E1	ppmv	y		1628		1607		1504		1580

	B	C	D	E	F	G	H	I	J	K	L	M
72												
73	POHC DRE	Perchloroethylene										
74	POHC Feedrate	lb/hr				45.54		45.54		45.54		45.54
75	Emission Rate	E2	lb/hr			0.000628		0.00076		0.000958		0.000782
76	DRE	E2	%			99.99862		99.99833		99.99790		
77												
78	POHC DRE	1,2,4 Trichlorobenzene										
79	POHC Feedrate	lb/hr				45.59		45.59		45.59		45.59
80	Emission Rate	E2	lb/hr			0.0013		0.00155		0.00121		0.001353
81	DRE	E2	%			99.99715		99.99660		99.99735		
82												
83	Sampling Train	PM, HCl/ E1										
84	Stack Gas Flowrate	dscfm				25358		25673		26765		25932
85	O2	%				16.0		16.0		15.8		15.9
86	Moisture	%				10.6		12.5		12.4		11.8
87	Temperature	°F				331		361		304		332
88												
89	Sampling Train	D/F	E2									
90	Stack Gas Flowrate	dscfm				25995		25675		25620		25763
91	O2	%				16		16		15.8		15.9
92	Moisture	%				11.6		11.5		10		11.0
93	Temperature	°F				364		358		334		352
94												
95												
96	311C12	Trial Burn				R1		R2		R3		Cond Avg
97												
98												
99	CO (RA)	E1	ppmv	y		30.7		26.0		32.0		30
100												
101												
102	Sampling Train	D/F	E1									
103	Stack Gas Flowrate	dscfm				20012		20050		21358		20473
104	O2	%				16.0		14.4		17.6		16.0
105	Moisture	%				12.4		10.2		9.6		10.7
106	Temperature	°F				295		291		299		295

	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Stack Gas Emissions 2												
2													
3													
4	311C1					R1		R2		R3		Cond Avg	
5													
6	PM	E1	gr/dscf	y		0.00400		0.00700		0.00600		0.00567	
7	CO (MHRA)	E1	ppmv	y		54.48		92.22		66.79		71.16	
8	CO (RA)	E1	ppmv	y		50.50		70.30		58.90		59.90	
9	HC (MHRA)	E1	ppmv	y		5.23		5.71		4.94		5.29	
10	HC (RA)	E1	ppmv	y		4.50		5.10		4.60		4.73	
11	HCl	E1	ppmv	y		1293.82		1147.52		1257.15		1232.83	
12	Cl2	E1	ppmv	y		30.34		3.87		7.57		13.93	
13	Total Chlorine	E1	ppmv	y		1354.51		1155.26		1272.28		1260.68	
14	Antimony	E2	ug/dscm	y	nd	3.82		5.56		1.98		3.79	
15	Arsenic	E2	ug/dscm	y		6.83		10.81		4.16		7.26	
16	Barium	E2	ug/dscm	y	nd	51.45 nd		38.41 nd		26.34		38.73	
17	Beryllium	E2	ug/dscm	y	nd	1.48 nd		2.34 nd		1.69 100		1.83	
18	Cadmium	E2	ug/dscm	y		16.98		131.03		412.63		186.88	
19	Chromium	E2	ug/dscm	y	nd	24.05 nd		30.84 nd		28.88		27.92 high nds?	
20	Chromium (Hex)	E3	ug/dscm	y	nd	3.23 nd		2.40 nd		1.81		2.48	
21	Lead	E2	ug/dscm	y		162.40 nd		291.85		534.21		329.49	
22	Mercury	E2	ug/dscm	y	nd	11.06 nd		18.49 nd		15.51 100		15.02	
23	Silver	E2	ug/dscm	y	nd	3.75 nd		76.46 nd		3.79 100		28.00	
24	Thallium	E2	ug/dscm	y	nd	1.32 nd		2.84 nd		1.04 100		1.74	
25	SVM	E2	ug/dscm	y		179.38 70		422.87		946.84 19		516.36	
26	LVM	E2	ug/dscm	y	79	32.35 75		43.98 88		34.73 80		37.02	
27													
28	Sampling Train	Halogens	E1										
29	Stack Gas Flowrate		dscfm			32800		31000		29700			
30	O2		%			17		17.2		17.2			
31	Moisture		%			6.1		6.3		6.9			
32	Temperature		°F			339.5		340.9		339.6			
33													
34	Sampling Train	Metals	E2										
35	Stack Gas Flowrate		dscfm			32000		33200		30700			
36	O2		%			17		17.1		17.2			
37	Moisture		%			5.4		6		6.7			
38	Temperature		°F			355		349		344.3			
39													
40	Sampling Train	Cr Hex	E3										
41	Stack Gas Flowrate		dscfm			32600		33000		30700			
42	O2		%			16.9		17.5		17			
43	Moisture		%			4.6		6.2		6.1			
44	Temperature		°F			356.1		342.4		350.5			

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	
61	Feedstream Number				F1	F1	F1	F1	F2	F2	F2	F2	F2	F2	F2	F3	F3	F3	F3	F3	F3	F4	F4	F4	F4	F4	F4	F4	F4	
62	Feed Class				Raw Material	Raw Material	Raw Material	Raw Material	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Spike	Spike	Spike	Spike	Spike	Spike	Total	Total	Total	Total	Total	Total	Total	Total	
63	Feed Class 2				RM	RM	RM	RM	HW	HW	HW	HW	HW	HW	HW	Spike	Spike	Spike	Spike	Spike	Spike	Total	Total	Total	Total	Total	Total	Total	Total	
64	Feedstream Description				Raw Material	Raw Material	Raw Material	Raw Material	LBM	LBM	LBM	LBM	LBM	LBM	LBM	Spike	Spike	Spike	Spike	Spike	Spike	Total	Total	Total	Total	Total	Total	Total	Total	
65	Feed Rate	lb/min							40.52	40.54	38.18																			
66	Density	g/cc							0.89	0.913	0.908																			
67																														
68	Heating Value	Btu/lb							12635	11549	11586																			
69																														
70	Ash	%							1.74	2.77	2.88																			
71	Chlorine	%			0.02	0.02	0.018		0.35	0.39	0.7																			
72																														
73	Chlorine	g/hr																												35161
74																														
75	Stack Gas Flowrate	dscfm			25358	25673	26765		25358	25673	26765					25358	25673	26765			25358	25673	26765					25358	25932	
76	Oxygen	%			16.0	16.0	15.8		16	16	15.8					16	16	15.8			16	16	15.8					16	15.9	
77																														
78	Thermal Feedrate	MMBtu/hr							30.7	28.1	26.5																			
79	Estimated Firing Rate	MMBtu/hr																												
80																														
81	<i>Feedrate MTEC Calculations</i>																													
82	Chlorine	ug/dscm																												2.21E+06
83																														
84																														
85	311C12	Trial burn			R1	R2	R3		R1	R2	R3		R1	R2	R3		R1	R2	R3		R1	R2	R3		R1	R2	R3		Cond Avg	
86																														
87	Feedstream Number				F1	F1	F1	F1	F2	F2	F2	F2	F2	F2	F2	F3	F3	F3	F3	F3	F3	F4	F4	F4	F4	F4	F4	F4	F4	
88	Feed Class				Raw Material	Raw Material	Raw Material	Raw Material	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Spike	Spike	Spike	Spike	Spike	Spike	Total	Total	Total	Total	Total	Total	Total	Total	
89	Feed Class 2				RM	RM	RM	RM	HW	HW	HW	HW	HW	HW	HW	Spike	Spike	Spike	Spike	Spike	Spike	Total	Total	Total	Total	Total	Total	Total	Total	
90	Feedstream Description				Raw Material	Raw Material	Raw Material	Raw Material	LBM	LBM	LBM	LBM	LBM	LBM	LBM	Spike	Spike	Spike	Spike	Spike	Spike	Total	Total	Total	Total	Total	Total	Total	Total	
91	Feed Rate	lb/min			8.84	8.76	8.69		35.44	33	33.36																			
92	Density	g/cc							0.97	0.972	0.968																			
93																														
94	Heating Value	Btu/lb							12353	11920	11742																			
95																														
96	Ash	%							6.21	6.54	3.73																			
97	Chlorine	%			0.0095	0.0095	0.0095		2.63	2.7	2.85																			
98																														
99																														
100	Stack Gas Flowrate	dscfm			20012	20050	21358		20012	20050	21358					20012	20050	21358			20012	20050	21358					20012	20473	
101	Oxygen	%			16.0	14.4	17.6		16	14.4	17.6					16	14.4	17.6			16	14.4	17.6					16	16.0	
102																														
103	Thermal Feedrate	MMBtu/hr							26.3	23.6	23.5																			
104	Estimated Firing Rate	MMBtu/hr																												

	B	C	D	E	F	G	H
1	Process Information 1						
2		Units		R1	R2	R3	Cond Avg
3							
4	311C10	CoC					
5							
6	Max comb chamber temp	°F		2870	2795	2500	2863.3
7	Max baghouse inlet temperature	°F		432.9	430.6	441.4	432
8	Min baghouse pressure drop	in. w.c.		3.78	4.41	3.69	4.22
9							
10	311C11	Trial burn					
11							
12	Combustion zone temperature	°F		1847	1832	1832	1837
13	Min mid kiln temperature	°F		961	1002	929	959
14	Max kiln exit temperature	°F		470	482	480	477.3
15	Max baghouse inlet temperature	°F		447	442	451	447
16	Kiln maximum negative pressure	in. w.c.					-4.37
17							
18	311C12	Trial burn					
19							
20	Combustion zone temperature	°F		1840	2032	1997	1956
21	Mid kiln temperature	°F		1108	1052	1081	1080
22	Kiln exit temperature	°F		392	376	372	380
23	Baghouse inlet temperature	°F		358	359	364	352
24	Kiln maximum negative pressure	in. w.c.					-7.29

	C	D	E	F	G
1	Process Information 2				
2					
3	311C1		1	2	3
4					
5	Combustion Temperature	F	2473	2448	2425
6	FF Temperature	F	423	401	412
7	FF Pressure Drop	in H2O	3.2	5.2	6.1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	PCDD/PCDF																	
2	N																	
3	Facility Name and ID:		Solite Corp, Lightweight Aggregate Kiln #2															
4	Condition ID:		311C11 Trial Burn															
5	Condition/Test Date:		Nov 8-19, 1999															
6																		
7	I-TEF		Run 1				Run 2				Run 3							
8	Wght Fact		Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ
9			Full ND	Full ND	1/2 ND	1/2 ND	Full ND	Full ND	1/2 ND	1/2 ND	Full ND	Full ND	1/2 ND	1/2 ND	Full ND	Full ND	1/2 ND	1/2 ND
10	Detected in sample volume (ng)																	
11	2,3,7,8-TCDD		1	1.410	1.410	1.410	1.410	0.760	0.760	0.760	0.760	0.200	0.200	0.200	0.200	0.200	0.200	0.200
12	1,2,3,7,8-PCDD		0.5	3.220	1.610	3.220	1.610	2.590	1.295	2.590	1.295	0.650	0.325	0.650	0.325	0.650	0.325	0.650
13	1,2,3,4,7,8-HxCDD		0.1	2.830	0.283	2.830	0.283	1.690	0.169	1.690	0.169	0.390	0.039	0.390	0.039	0.390	0.039	0.390
14	1,2,3,6,7,8-HxCDD		0.1	14.990	1.499	14.990	1.499	12.020	1.202	12.020	1.202	1.770	0.177	1.770	0.177	1.770	0.177	1.770
15	1,2,3,7,8,9-HxCDD		0.1	11.480	1.148	11.480	1.148	7.320	0.732	7.320	0.732	1.370	0.137	1.370	0.137	1.370	0.137	1.370
16	1,2,3,4,6,7,8-HpCDD		0.01	51.410	0.514	51.410	0.514	38.940	0.389	38.940	0.389	6.130	0.061	6.130	0.061	6.130	0.061	6.130
17	OCDD		0.001	21.530	0.022	21.530	0.022	16.700	0.017	16.700	0.017	3.370	0.003	3.370	0.003	3.370	0.003	3.370
18	2,3,7,8-TCDF		0.1	32.510	3.251	32.510	3.251	26.760	2.676	26.760	2.676	5.800	0.580	5.800	0.580	5.800	0.580	5.800
19	1,2,3,7,8-PCDF		0.05	25.830	1.292	25.830	1.292	18.010	0.901	18.010	0.901	4.030	0.202	4.030	0.202	4.030	0.202	4.030
20	2,3,4,7,8-PCDF		0.5	49.450	24.725	49.450	24.725	33.400	16.700	33.400	16.700	6.920	3.460	6.920	3.460	6.920	3.460	6.920
21	1,2,3,4,7,8-HxCDF		0.1	35.540	3.554	35.540	3.554	32.060	3.206	32.060	3.206	6.650	0.665	6.650	0.665	6.650	0.665	6.650
22	1,2,3,6,7,8-HxCDF		0.1	20.390	2.039	20.390	2.039	17.000	1.700	17.000	1.700	3.530	0.353	3.530	0.353	3.530	0.353	3.530
23	2,3,4,6,7,8-HxCDF		0.1	2.340	0.234	2.340	0.234	21.490	2.149	21.490	2.149	0.300	0.030	0.300	0.030	0.300	0.030	0.300
24	1,2,3,7,8,9-HxCDF		0.1	22.710	2.271	22.710	2.271	2.080	0.208	2.080	0.208	3.590	0.359	3.590	0.359	3.590	0.359	3.590
25	1,2,3,4,6,7,8-HpCDF		0.01	25.450	0.255	25.450	0.255	23.800	0.238	23.800	0.238	4.340	0.043	4.340	0.043	4.340	0.043	4.340
26	1,2,3,4,7,8,9-HpCDF		0.01	4.920	0.049	4.920	0.049	5.960	0.060	5.960	0.060	0.730	0.007	0.730	0.007	0.730	0.007	0.730
27	OCDF		0.001	4.320	0.004	4.320	0.004	3.800	0.004	3.800	0.004	0.610	0.001	0.610	0.001	0.610	0.001	0.610
28	Total TCDD		0	75.480	0.000	75.480	0.000	47.310	0.000	47.310	0.000	17.590	0.000	17.590	0.000	17.590	0.000	17.590
29	Total PCDD		0	117.640	0.000	117.640	0.000	100.150	0.000	100.150	0.000	23.250	0.000	23.250	0.000	23.250	0.000	23.250
30	Total HxCDD		0	168.220	0.000	168.220	0.000	114.390	0.000	114.390	0.000	19.660	0.000	19.660	0.000	19.660	0.000	19.660
31	Total HpCDD		0	106.170	0.000	106.170	0.000	78.210	0.000	78.210	0.000	12.010	0.000	12.010	0.000	12.010	0.000	12.010
32	Total TCDF		0	357.31	0.000	357.310	0.000	510.71	0.000	510.710	0.000	201.690	0.000	201.690	0.000	201.690	0.000	201.690
33	Total PCDF		0	361.340	0.000	361.340	0.000	300.880	0.000	300.880	0.000	73.750	0.000	73.750	0.000	73.750	0.000	73.750
34	Total HxCDF		0	174.220	0.000	174.220	0.000	151.370	0.000	151.370	0.000	32.290	0.000	32.290	0.000	32.290	0.000	32.290
35	Total HpCDF		0	43.550	0.000	43.550	0.000	43.940	0.000	43.940	0.000	7.110	0.000	7.110	0.000	7.110	0.000	7.110
36																		
37	Gas sample volume (dscf)				119.68	119.68	119.68		118.13	118.13	118.13		115.33	115.33	115.33	115.33	115.33	115.33
38	O2 (%)				16.00	16.00	16.00		16.0	16.0	16.0		15.80	15.80	15.80	15.80	15.80	15.80
39																		
40	PCDD/PCDF (ng in sample)				44.159	1429.8	44.159		32.405	1367.5	32.405		6.642	391.3	6.642	391.3	6.642	391.3
41	PCDD/PCDF (ng/dscm @ 7% O2)		0.0		36.508	1182.04	36.508	0.0	27.141	1145.32	27.141	0.0	5.479	322.80	5.479	322.80	5.479	322.80
42																		
43	TEQ Cond Avg			23.043														
44	Total Cond Avg			883.39														

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	PCDD/PCDF																	
2	N																	
3	Facility Name and ID:		Solite Corp, Lightweight Aggregate Kiln #2															
4	Condition ID:		311C12 Trial Burn															
5	Condition/Test Date:		May 11-19, 2000															
6																		
7			I-TEF				Run 1				Run 2				Run 3			
8	Wght Fact		Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ
9			Full ND	Full ND	1/2 ND	1/2 ND	Full ND	Full ND	1/2 ND	1/2 ND	Full ND	Full ND	1/2 ND	1/2 ND	Full ND	Full ND	1/2 ND	1/2 ND
10	Detected in sample volume (pg)																	
11	2,3,7,8-TCDD		1	228	228	228	228	257	257	257	257	278	278	278	278	278	278	278
12	1,2,3,7,8-PCDD		0.5	387	194	387	194	557	279	557	279	696	348	696	348	696	348	696
13	1,2,3,4,7,8-HxCDD		0.1	150	15	150	15	210	21	210	21	277	28	277	28	277	28	277
14	1,2,3,6,7,8-HxCDD		0.1	279	28	279	28	413	41	413	41	488	49	488	49	488	49	488
15	1,2,3,7,8,9-HxCDD		0.1	124	12	124	12	173	17	173	17	209	21	209	21	209	21	209
16	1,2,3,4,6,7,8-HpCDD		0.01	361	4	361	4	1070	11	1070	11	462	5	462	5	462	5	462
17	OCDD		0.001	491	0	491	0	5920	6	5920	6	559	1	559	1	559	1	559
18	2,3,7,8-TCDF		0.1	4900	490	4900	490	5160	516	5160	516	5440	544	5440	544	5440	544	5440
19	1,2,3,7,8-PCDF		0.05	3980	199	3980	199	5000	250	5000	250	5760	288	5760	288	5760	288	5760
20	2,3,4,7,8-PCDF		0.5	7200	3600	7200	3600	8840	4420	8840	4420	10300	5150	10300	5150	10300	5150	10300
21	1,2,3,4,7,8-HxCDF		0.1	2620	262	2620	262	3530	353	3530	353	4800	480	4800	480	4800	480	4800
22	1,2,3,6,7,8-HxCDF		0.1	2350	235	2350	235	3110	311	3110	311	4140	414	4140	414	4140	414	4140
23	2,3,4,6,7,8-HxCDF		0.1	408	41	408	41	567	57	567	57	733	73	733	73	733	73	733
24	1,2,3,7,8,9-HxCDF		0.1	1340	134	1340	134	1850	185	1850	185	2370	237	2370	237	2370	237	2370
25	1,2,3,4,6,7,8-HpCDF		0.01	1910	19	1910	19	2790	28	2790	28	3060	31	3060	31	3060	31	3060
26	1,2,3,4,7,8,9-HpCDF		0.01	191	2	191	2	283	3	283	3	295	3	295	3	295	3	295
27	OCDF		0.001	224	0	224	0	1170	1	1170	1	266	0	266	0	266	0	266
28	Total TCDD		0	15300	0	15300	0	12100	0	12100	0	11800	0	11800	0	11800	0	11800
29	Total PCDD		0	14200	0	14200	0	13600	0	13600	0	13000	0	13000	0	13000	0	13000
30	Total HxCDD		0	4500	0	4500	0	6080	0	6080	0	7200	0	7200	0	7200	0	7200
31	Total HpCDD		0	738	0	738	0	1990	0	1990	0	976	0	976	0	976	0	976
32	Total TCDF		0	246920	0	246920	0	243000	0	243000	0	224000	0	224000	0	224000	0	224000
33	Total PCDF		0	126000	0	126000	0	144000	0	144000	0	158000	0	158000	0	158000	0	158000
34	Total HxCDF		0	26800	0	26800	0	35600	0	35600	0	44000	0	44000	0	44000	0	44000
35	Total HpCDF		0	2970	0	2970	0	4350	0	4350	0	4950	0	4950	0	4950	0	4950
36																		
37	Gas sample volume (dscf)				117.81	117.81	117.81			116.04	116.04	116.04			122.16	122.16	122.16	
38	O2 (%)				16.00	16.00	16.00			14.4	14.4	14.4			17.60	17.60	17.60	
39																		
40	PCDD/PCDF (ng in sample)				5.463	438.1	5.463			6.755	467.8	6.755			7.949	464.8	7.949	
41	PCDD/PCDF (ng/dscm @ 7% O2)		0.0		4.588	367.95	4.588	0.0		4.364	302.19	4.364	0.0		9.467	553.55	9.467	
42																		
43	TEQ Cond Avg			6.140														
44	Total Cond Avg			407.90														