	B	C
1	**Source Description**	
2		
3	Phase I ID No.	473
4	EPA ID No.	TXD0007349327
5	Facility Name	Texas Industries Inc.
6	Facility Location	
7	City	Midlothian
8	State	TX
9	Unit ID Name/No.	Kiln No. 2
10	Other Sister Facilities	None
11	Combustor Type	CEMENT KILN
12	Combustor Class	Wet, long
13	Combustor Characteristics	
14	Capacity (MMBtu/hr)	
15	Soot Blowing	
16	APCS	ESP
17	APCS Characteristics	
18	Hazardous Wastes	HW LIQ
19	Haz Waste Description	
20	Supplemental Fuel	COAL
21		
22	Stack Characteristics	
23	Diameter (ft)	8.0
24	Height (ft)	200.0
25	Gas Velocity (ft/sec)	16.1
26	Gas Temperature (°F)	367.2
27		
28	Permitting Status	
29	HWC Burn Status (Date if Terminated)	

	B	C
1	**Condition Description**	
2		
3	**473C1**	
4		
5	Report Name/Date	Re-certification of Compliance, Texas Industries Resource Recovery Program, May 8, 1995, prepared by Entellect
6	Report Prepare	Entellect
7	Testing Firm	Entellect
8	Cond Descr	CoC, METALS MODE, HIGH COMB TEMP
9	Test Dates	3/6/95
10	Cond Date	05/08/95
11		
12	**473C2**	
13		
14	Report Name/Date	Re-certification of Compliance, Texas Industries Resource Recovery Program, May 8, 1995, prepared by Entellect
15	Report Prepare	Entellect
16	Testing Firm	Entellect
17	Cond Descr	CoC, PARTICULATE MODE, HIGH COMB TEMP
18	Test Dates	3/8/95
19	Cond Date	05/08/95
20		
21	**473C3**	
22		
23	Report Name/Date	Re-certification of Compliance, Texas Industries Resource Recovery Program, May 8, 1995, prepared by Entellect
24	Report Prepare	Entellect
25	Testing Firm	Entellect
26	Cond Descr	CoC, COLD MODE, LOW COMB TEMP
27	Test Dates	3/10/95
28	Cond Date	05/08/95

	B	C	D	E	F	G	H	I	J	K	L
1	**Stack Gas Emissions 1**										
2											
3											
4	**473C1**				R1		R2		R3		Cond Avg
5											
6	Antimony		ug/dscm		64.18		59.19		60.67		
7	Arsenic		ug/dscm	nd	8.36	nd	8.20	nd	8.14		
8	Barium		ug/dscm		1107.37		1250.58		1208.92		
9	Beryllium		ug/dscm	nd	0.07	nd	0.07	nd	0.05		
10	Cadmium		ug/dscm		3.34		6.60		3.75		
11	Chromium		ug/dscm		1.48		1.83		2.05		
12	Lead		ug/dscm	nd	5.66		56.49		9.79		
13	Mercury		ug/dscm		14.23		13.57		22.62		16.81
14	Thallium		ug/dscm	nd	17.95		13.47		13.98		
15	SVM		ug/dscm		6.17		63.10		13.55		27.61
16	LVM		ug/dscm		5.70		5.96		6.14		5.93
17											
18	Sampling Train		Metals								
19	Gas Flowrate				52833		54737		55483		
20	Moisture				36.726		38.124		39.292		
21	Oxygen				5.8		5.4		5.7		
22	Temperature				363.21		368.83		364.17		
23											
24	**473C2**				R1		R2		R3		Cond Avg
25											
26	PM		gr/dscf		0.01157		0.00961		0.00849		0.00989
27											
28	Sampling Train		Particulate								
29	Gas Flowrate				61499.51		61453.02		61546		
30	Moisture				0		39.11725		40.0769		
31	Oxygen				5.4		6.1		5.6		
32	Temperature				0		366.38		368		
33											
34	**473C3**				R1		R2		R3		Cond Avg
35											
36	HCl		ppmv		24.14		19.32		29.17		
37	Cl2		ppmv		0.44		0.22		1.09		
38	Total Cl		ppmv		25.02		19.76		31.34		25.37
39											
40	Sampling Train		Halogens								
41	Gas Flowrate				53883		59911		58800		
42	Moisture				37.58		39.833		42.12		
43	Oxygen				8.6		7.7		7.7		
44	Temperature				316.88		337.33		342.54		

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	**Feedstream 2**																					
2																						
3	**473C1**			R1		R2		R3		R1		R2		R3		R1		R2		R3		Cond Avg
4																						
5	Feedstream			Liquid waste						Non-pumpable waste						Total waste						
6	Feedrate	lb/hr																				
7	Heating value	Btu/lb																				
8	Antimony	lb/hr		3.10207		3.36997		3.7051389		0.22701		0.243476		0.2337317								
9	Arsenic	lb/hr		0.21305		0.23144		0.2544549		0.48803		0.6055375		0.6024731								
10	Barium	lb/hr		26.6534		28.9551		30.779369		7.6002		6.0200792		9.6418622								
11	Beryllium	lb/hr		0.06102		0.06631		0.0727298		0.01867		0.0185848		0.0239199								
12	Cadmium	lb/hr		2.52096		2.73866		3.0002181		0.03108		0.0333336		0.0320108								
13	Chromium	lb/hr		10.9926		11.9419		12.912144		0.10161		0.0130292		0.0125221								
14	Lead	lb/hr		25.175		27.3491		29.042849		18.298		14.472714		33.029273								
15	Mercury	lb/hr		0.08651		0.09398		0.105909		0.0075		0.0040344		0.0080468								
16	Thallium	lb/hr		1.2178		1.32296		1.454551		2.95677		3.3297176		3.8038389								
17																						
18	Gas flowrate			52833		54737		55483		52833		54737		55483								
19	Oxygen			5.8		5.4		5.7		5.8		5.4		5.7								
20																						
21	Antimony	ug/dscm		14459		14773		16338		1058		1067		1031		15517		15840		17369		16242
22	Arsenic	ug/dscm		993		1015		1122		2275		2654		2657		3268		3669		3779		3572
23	Barium	ug/dscm		124237		126930		135723		35426		26390		42516		159663		153321		178240		163741
24	Beryllium	ug/dscm		284		291		321		87		81		105		371		372		426		390
25	Cadmium	ug/dscm		11751		12005		13230		145		146		141		11896		12152		13371		12473
26	Chromium	ug/dscm		51239		52350		56937		474		57		55		51712		52407		56992		53704
27	Lead	ug/dscm		117346		119890		128066		85291		63444		145644		202637		183334		273710		219894
28	Mercury	ug/dscm		403		412		467		35		18		35		438		430		502		457
29	Thallium	ug/dscm		5676		5799		6414		13782		14596		16773		19458		20396		23187		21014
30	SVM	ug/dscm		129096		131896		141296		85436		63590		145786		214532		195486		287081		232366
31	LVM	ug/dscm		52516		53655		58380		2835		2793		2817		55352		56448		61197		57665
32																						
33	**473C3**			R1		R2		R3		R1		R2		R3		R1		R2		R3		Cond Avg
34																						
35	Feedstream			Liquid waste						Non-pumpable waste						Total waste						
36	Feedrate	lb/hr														260		257		253		
37	Heating value	Btu/lb														0		0		0		
38	Chlorine	lb/hr														219.1		214.0		150.2		
39																						
40	Gas Flowrate															53883		59911		58800		
41	Oxygen															8.6		7.7		7.7		
42																						
43	Chlorine	ug/dscm														1227552		1005294		719163		984003