

Southwestern Portland Cement Company

Table A.1 Summary of Principal Organic Constituents Feed and Fuel Data

Run No.	POHC Feed Rate, CTC			POHC Feed Rate, MCB			Hazardous Waste Fuel				
	Feed Rate (lb/hr) ¹	CTC in Feed (%)	CTC (lb/hr) ¹	Feed Rate (lb/hr) ¹	MCB in Fuel (%)	MCB (lb/hr) ¹	Fuel Used (lb/hr) ¹	CTC in Fuel (mg/kg) ²	CTC (lb/hr) ¹	MCB in Fuel (mg/kg) ²	MCB (lb/hr) ¹
1	50.0	99.09	49.5	299.9	96.6	289.7	5099	565	2.9	1450	7.4
2	49.9	99.38	49.6	3 ^{**}	98.2	294.6	5100	676	3.4	1570	8.0
3	49.9	95.20	47.5	295.1	96.8	285.7	5099	<50	<0.3	1130	5.8
Ave.	49.9	97.89	48.9	298.3	97.2	290.0	5099	430	2.2	1383	7.1

¹ pounds per hour

² milligrams per kilogram

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Table A.2 Summary of Main Stack Gas Flow Rates

Run No.	Velocity (fps) ¹	Flow Rate		Temperature (°F)	Moisture %	Oxygen %	Carbon Dioxide %
		(acfm) ²	(dscfm) ³				
1	60.7	179,205	122,130	223	9.8	12.0'	16.0'
2	64.4	190,136	128,536	228			
3	63.1	156,469	126,143	228			
Averages	62.7	185,270	125,603	226	9.8	12.0	16.0

¹ feet per second

² actual cubic feet per minute

³ dry standard cubic feet per minute

. The fyrite was broken after the first fyrite reading.

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Table A.3 Summary of Bypass Stack Gas Flow Rates

Run No.	Velocity (fps) ¹	Flow Rate		Temperature (°F)	Moisture %	Oxygen %	Carbon Dioxide %
		(acfm) ²	(dscfm) ³				
1	74.2	101,031	61,697	342	5.01	18.1	3.5
2	73.1	99,490	62,011	326		18.2	4.0
3	72.7	98,914	61,309	331		18.2	4.0
Averages	73.3	99,812	61,672	333	5.01	18.2	3.8

¹ feet per second

² actual cubic feet per minute

³ dry standard cubic feet per minute

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Table A.4 Summary of Main Stack Carbon Tetrachloride Emissions Run #1

Run No.	Time (4/30/92)	Concentration		Emission Rates (lb/hr) ³
		(ppm) ¹	(lb/dscf) ²	
1A	1015-1055	2.00E-03	7.99E-10	5.86E-03
1B	1105-1145	<7.96E-05	<3.18E-11	<2.33E-04
1C	1200-1239	<7.95E-05	<3.17E-11	<2.32E-04
1D	1253-1333	<7.96E-05	<3.18E-11	<2.33E-04
Averages		<5.60E-04	<2.24E-10	c 1.64E-03

¹ parts per million

² pounds per dry standard cubic foot

³ pounds. per hour

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Table A.5 Summary of Main Stack Carbon Tetrachloride Emissions Run #2

Run No.	Time (4/30/92)	Concentration		Emission Rates (lb/hr) ³
		(ppm) ¹	(lb/dscf) ²	
2A	1411-1451	< 8.00E-05	< 3.19E-11	< 2.46E-04
2B	15 13-1553	< 8.04E-05	< 3.21E-11	c 2.48E-04
Averages		< 8.02E-05	< 3.20E-11	< 2.47E-04

¹ parts per million

² pounds per dry standard cubic foot

³ pounds per hour

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Table A.6 Summary of Main Stack Carbon Tetrachloride Emissions Run #3

Run No.	Time (4/30/92)	Concentration		Emission Rates (lb/hr) ³
		(ppm) ¹	(lb/dscf) ²	
3A	1818-1858	1.98E-04	7.89E-11	5.97E-04
3B	1918-1959	1.97E-04	7.84E-11	5.94E-04
3c	2019-2100	1.95E-04	7.78E-11	5.89E-04
Averages		1.96E-04	7.84E-11	5.93E-04

¹ parts per million

² pounds per dry standard cubic foot

³ pounds per hour

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Table A.7 Summary of Bypass Stack Carbon Tetrachloride and Monochlorobenzene Emissions Run #1

Run No.	Time (4/30/92)	Monochlorobenzene			Carbon Tetrachloride		
		(ppm) ¹	(lb/dscf) ²	(lb/hr) ³	(ppm) ¹	(lb/dscf) ²	(lb/hr) ³
1A	1000-1040	<1.09E-04	<3.17E-11	<1.17E-04	c 7.94E-05	<3.17E-11	<1.17E-04
1B	1105-1145	<1.07E-04	<3.13E-11	<1.16E-04	<7.84E-05	<3.13E-11	<1.16E-04
1C	1200-1240	<1.16E-04	<3.39E-11	<1.25E-04	<8.48E-05	<3.39E-11	<1.25E-04
1D	1244-1324	<1.17E-04	<3.41E-11	<1.26E-04	<8.56E-05	<3.41E-11	<1.26E-04
Averages		c 1.12E-04	<3.28-11	<1.21E-04	<8.21E-05	<3.28E-11	<1.21E-04

¹ parts per million

² pounds per dry standard cubic foot

³ pounds per hour

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Table A.8 Summary of Bypass Stack Carbon Tetrachloride and Monochlorobenzene Emissions Run #2

Run No.	Time (4/30/92)	Monochlorobenzene			Carbon Tetrachloride		
		(ppm) ¹	(lb/dscf) ²	(lb/hr) ³	(ppm) ¹	(lb/dscf) ²	(lb/hr) ³
2A	1412-1458	<1.09E-04	<3.19E-11	<1.19E-04	7.99E-05	3.19E-11	1.19E-04
2B	1512-1555	<1.09E-04	<3.18E-11	<1.18E-04	8.76E-05	3.50E-11	1.30E-04
Averages		<1.09E-04	<3.19E-11	<1.19E-04	8.38E-05	3.35E-11	1.25E-04

¹ parts per million

² pounds per dry standard cubic foot

³ pounds per hour