



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

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Incinerator Summary Report - May 2014

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	23.5	24	20	13.5	24	24	21.5	24	24	20	24	24	24	8.5	19	24	24	24
	Gas	h	1	0	4.5	13	0	0	3	0	0	4	0	0	0	7.5	6.5	0	0	0
	Residue & gas	h	0.5	0	0.5	2.5	0	0	0.5	0	0	0	0	0	0	1	1.5	0	0	0
	Idle	h	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0
Total flow	Residue	kg	8054.3	8399.5	6933	4413.5	8400.3	8401	7444.5	8400.3	8400.3	6997.2	8400.3	8400	8400	2672.7	6726	9000	9000	9000
	Gas	m3	115.5	0	683.2	1871.7	0	0	456.8	0	0	609.3	0	0	0	1250.5	979.2	0	0	0
	Air	m3	113393	108572	108478	121051	108825	113324	113605	111607	114300	116414	111564	108578	108219	184154	114568	116694	118563	113428
NOx (normalised)	Min	mg/m3	61	158.3	121.3	79	101.7	105	110.7	93.3	90	118.3	110	124	134.3	106.7	106.7	108	113.7	108.7
	Ave	mg/m3	145.7	282.2	226.8	130.4	120	115	186.6	396.9	104.8	181.7	129	144.8	153.8	222.6	244.1	124.7	134.7	118
	Max	mg/m3	376	619	315	379.7	137.7	125.7	634.7	687.3	123.7	817.3	145	158.7	168.3	617	768.7	137	153.3	134
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CO (normalised)	Min	mg/m3	-7.1	-7	-7	-7	-6.7	-8	-8	-6.8	-6.7	-7	-6.7	-6.7	-6.9	-6.7	-6.9	-7.9	-8	-7.7
	Ave	mg/m3	-6.4	-6.7	-6.5	-6.1	-6.5	-6.8	-6.7	-6.5	-6.5	-6.5	-6.5	-6.5	-6.5	-6.1	-6.1	-7.1	-7.3	-7.1
	Max	mg/m3	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30m ELV exceedances	[100 mg/m3]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Particulates (normalised)	Min	mg/m3	0.3	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4
	Ave	mg/m3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	Max	mg/m3	0.5	0.5	0.4	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.5
	30m ELV exceedances	[30 mg/m3]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VOC (normalised)	Min	mg/m3	0	0.4	0.2	0.4	0.3	0.2	0.3	0	0	0	0	0	0	0	0.4	0.1	0.1	0
	Ave	mg/m3	0.2	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0	0.2	0	0	0.1	0.2	0.6	0.4	0.4	0.2
	Max	mg/m3	0.5	0.5	0.5	0.9	0.5	0.5	0.8	0.5	0.1	0.8	0	0.3	0.3	0.9	1	0.5	0.5	0.5
	30m ELV exceedances	[20 mg/m3]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exceeds daily ELV ?		[10 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

NOTES

Invalid data points are not reported because the incinerator is not operated at any time whilst CEM equipment is being maintained or calibrated



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Day			19	20	21	22	23	24	25	26	27	28	29	30	31	TOTALS
Running time	Residue	h	18	22	24	24	24	24	24	24	24	18	24	22.5	21.5	684
	Gas	h	2.5	2	0	0	0	0	0	0	0	5.5	0	2.5	3.5	55.5
	Residue & gas	h	0	0	0	0	0	0	0	0	0	0	0	1	1.5	9
	Idle	h	3.5	0	0	0	0	0	0	0	0	0.5	0	0	0.5	13.5
Total flow	Residue	kg	6744.7	8297.3	9000.2	9001.2	8662	8399.7	8400.5	8400.7	8400	7124	12001	10987	10204.8	253.1 tonnes
	Gas	m3	380.2	330.2	0	0	0	0	0	0	0	891.8	0	340.7	482.7	8392 m3
	Air	m3	107348	107704	111558	106817	101338	100848	101588	105821	107847	121694	152132	150330	152189	3632549 m3
NOx (normalised)	Min	mg/m3	112.7	121.3	157.3	155	109	121	118	121	124.7	75.7	70	56.7	71	
	Ave	mg/m3	122.9	170.5	208.5	243.1	152.7	153.7	179.1	146.8	150.2	145.3	78.4	81.4	115.5	
	Max	mg/m3	134.7	590.7	350.7	352.3	244	198.3	218.3	165	184	446.3	92.3	152	731.7	
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	N	0 exceedances
CO (normalised)	Min	mg/m3	-8	-7.4	-6.9	-8	-8	-8	-8	-8	-8	-8	-7.7	-7.2	-7.1	
	Ave	mg/m3	-7.5	-6.9	-6.6	-7	-7.9	-8	-8	-8	-8	-7.7	-7.1	-6.9	-6.8	
	Max	mg/m3	0	0	0	0	0	0	0	0	0	0	0	0	0	
	30m ELV exceedances	[100 mg/m3]	0	0	0	0	0	0	0	0	0	0	0	0	0	0 exceedances
	Exceeds daily ELV ?	[50 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	N	0 exceedances
Particulates (normalised)	Min	mg/m3	0.4	0.4	0.4	0.4	0.4	0.6	0.7	0.7	0.7	0.7	0.7	0.5	0.5	
	Ave	mg/m3	0.4	0.4	0.4	0.4	0.5	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.8	
	Max	mg/m3	0.5	0.4	0.5	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.9	
	30m ELV exceedances	[30 mg/m3]	0	0	0	0	0	0	0	0	0	0	0	0	0	0 exceedances
	Exceeds daily ELV ?	[10 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	N	0 exceedances
VOC (normalised)	Min	mg/m3	0	0	0.1	0.1	0	0.4	0.5	0.5	0.5	0.4	0	0	0	
	Ave	mg/m3	0.2	0.2	0.4	0.4	0.3	0.5	0.5	0.5	0.5	0.5	0.3	0.1	0.3	
	Max	mg/m3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	
	30m ELV exceedances	[20 mg/m3]	0	0	0	0	0	0	0	0	0	0	0	0	0	0 exceedances
	Exceeds daily ELV ?	[10 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	N	0 exceedances

NOTES

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Title: Reporting Incinerator CEM Oxides of Nitrogen

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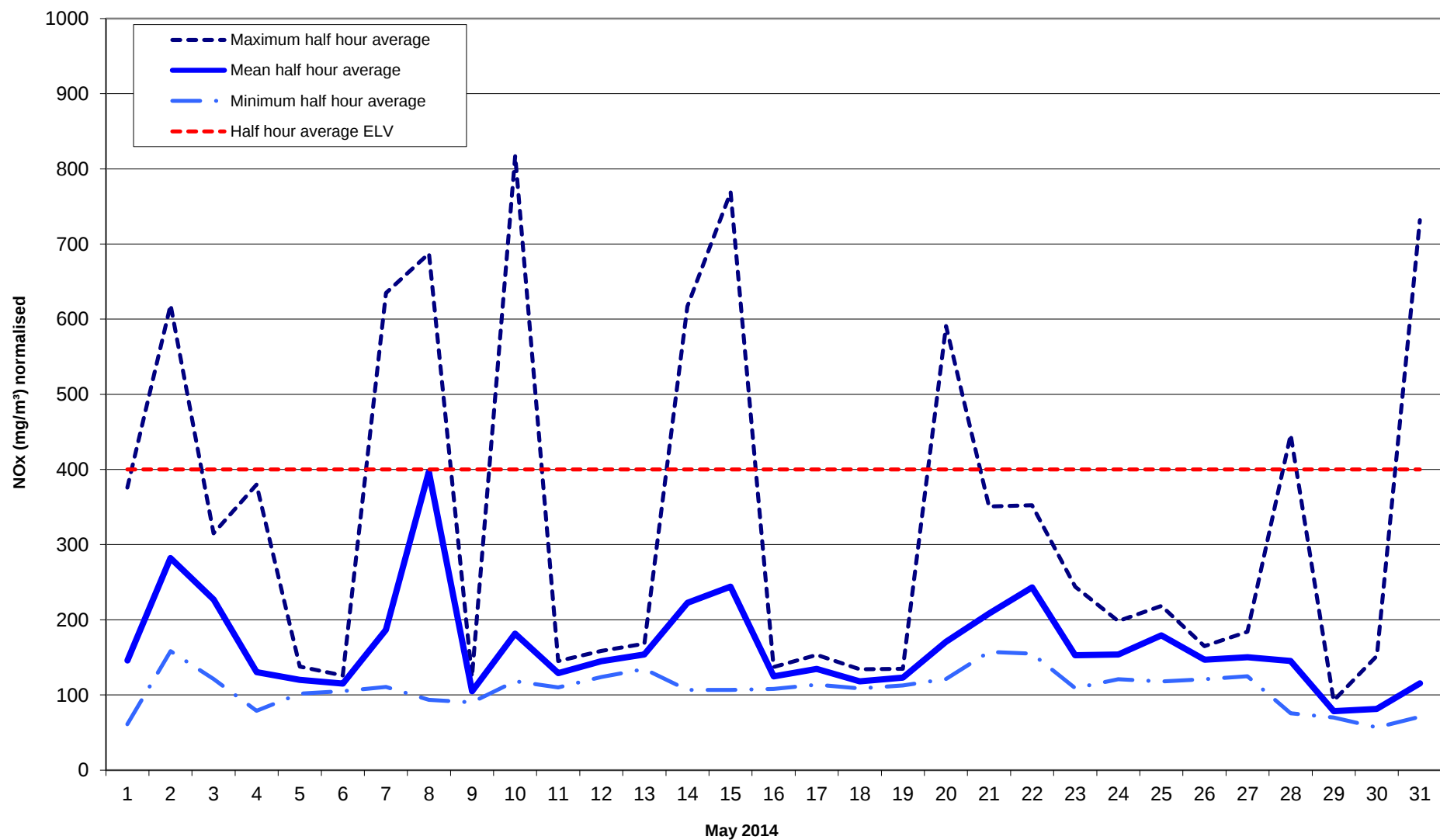
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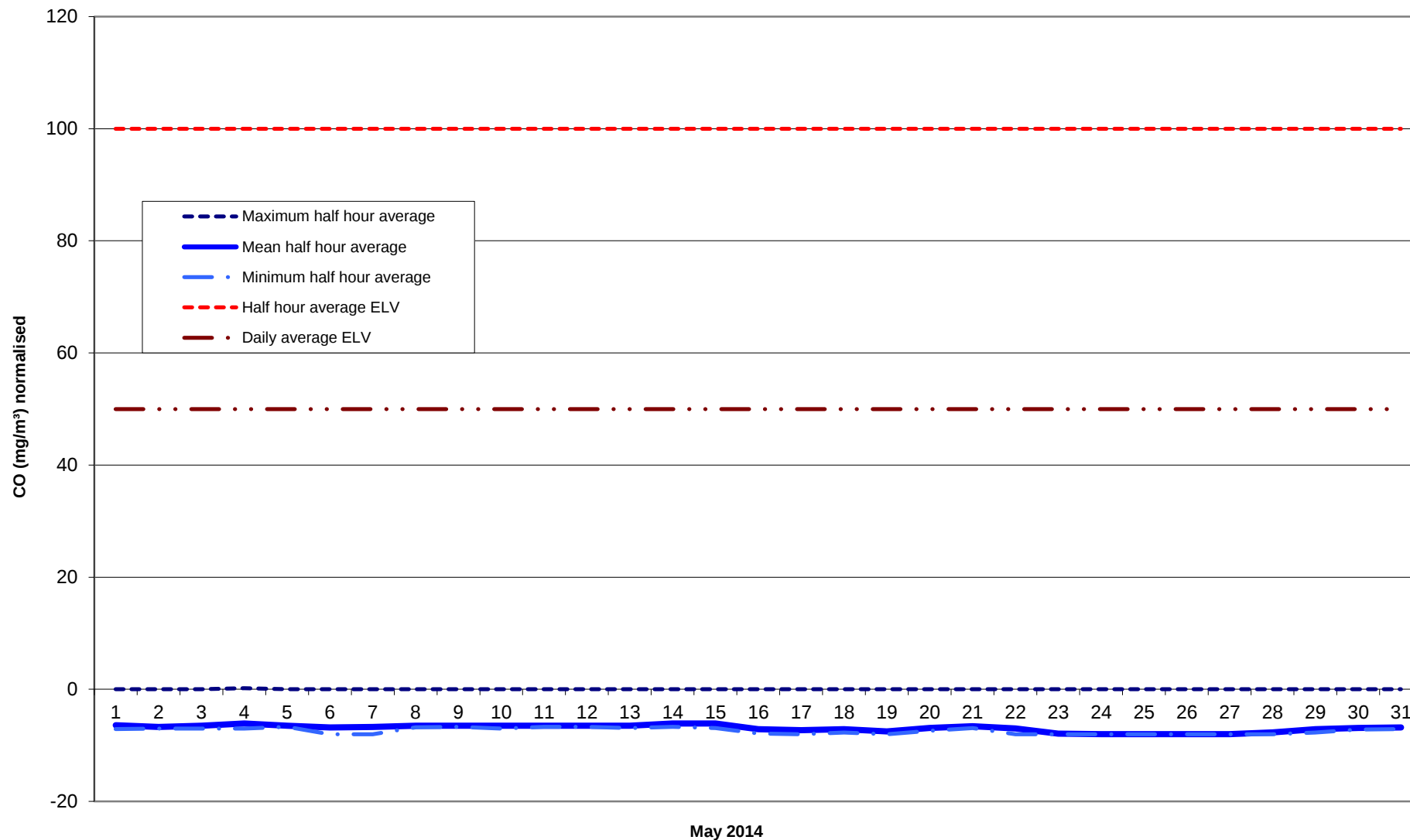
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Title:	Reporting Incinerator CEM Carbon Monoxide	Area:	Manufacturing	Issue No.:	1
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Title: Reporting Incinerator CEM Particulates

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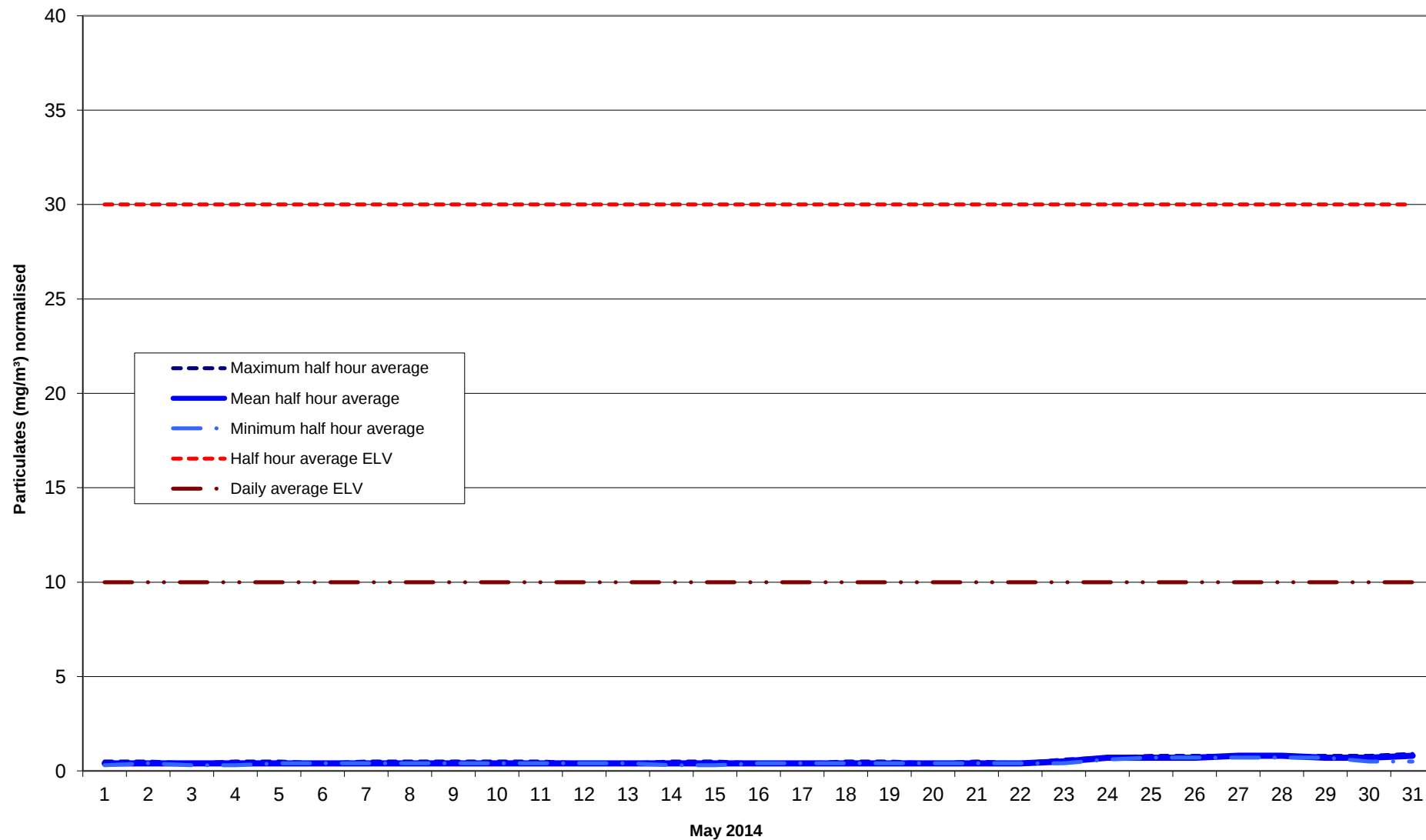
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Title: Reporting Incinerator CEM TOC

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