



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

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Incinerator Summary Report - February 2014

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	24	11	24	5	20.5	13.5	0	0	0	0	0	2	17.5	24	24	24	24	20
	Gas	h	0	0	0	18	3.5	6	0	0	0	0	0	14.5	7	0	0	0	0	4.5
	Residue & gas	h	0	0	0	0	0	0	0	0	0	0	0	1	0.5	0	0	0	0	1
	Idle	h	0	13	0	1	0	4.5	24	24	24	24	24	8.5	0	0	0	0	0	0.5
Total flow	Residue	kg	7203.4	-140464.6	7210.5	1518.3	6142.7	4058	0	0	0	0	0	523.7	6490.7	8674.3	8099.8	7800.3	7799.7	6348.3
	Gas	m3	0	0	0	3123.5	623.4	974.7	0	0	0	0	0	2198	825	0	0	0	0	638.2
	Air	m3	108518	46958	105726	126880	107177	100450	55980	60575	46988	51130	51531	128250	124223	115929	110051	110853	106287	117436
NOx (normalised)	Min	mg/m3	96.7	251.2	115.6	82.6	203	95.9						164	98.7	117	128.7	192.3	255	49
	Ave	mg/m3	268.3	295.2	211.6	112.3	287	228.4						263.8	205.5	170.4	246.5	265.8	290.4	233.4
	Max	mg/m3	443.2	427.4	362.8	213.6	468.6	438.9						440.3	649.3	430.7	362.3	372.3	337.7	637
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N					N	N	N	N	N	N	N	
CO (normalised)	Min	mg/m3	-5.5	-5.5	-5.5	-5.3	-5.6	-5.3						-2.7	-5.5	-5.5	-5.5	-5.5	-5.2	-6.9
	Ave	mg/m3	-5.4	-5.3	-5.3	-5	-5.2	-5.1						-0.2	-4.8	-5.1	-5.3	-5.4	-5.1	-5.2
	Max	mg/m3	0	0	0	0	0	0						1.3	0	0	0	0	0	0.9
	30m ELV exceedances	[100 mg/m3]	0	0	0	0	0	0						0	0	0	0	0	0	0
	Exceeds daily ELV ?	[50 mg/m3]	N	N	N	N	N	N					N	N	N	N	N	N	N	
Particulates (normalised)	Min	mg/m3	4.8	5.2	4.9	3.9	4.4	5						0.2	0.3	0.4	0.4	0.4	0.4	0.3
	Ave	mg/m3	5.2	5.4	5.2	4.9	5.4	5.5						0.3	0.4	0.4	0.4	0.4	0.4	0.4
	Max	mg/m3	5.6	5.6	5.5	5	5.8	5.7						0.4	0.4	0.4	0.4	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
	Exceeds daily ELV ?	[10 mg/m3]	N	N	N	N	N	N					N	N	N	N	N	N	N	
VOC (normalised)	Min	mg/m3	0.2	0.3	0.1	0.1	0.2	0.1						0	0	0	0	0	0	0
	Ave	mg/m3	0.3	0.3	0.2	0.3	0.3	0.3						0	0	0	0	0	0	0.1
	Max	mg/m3	0.4	0.4	0.3	1.9	0.4	0.9						0	0	0	0	0	0	0.6
	30m ELV exceedances	[20 mg/m3]	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	

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	TOTALS
Running time	Residue	h	23	24	18	24	24	24	18.5	24	24	21	458
	Gas	h	1.5	0	6.5	0	0	0	2	0	0	3	66.5
	Residue & gas	h	0.5	0	0.5	0	0	0	0	0	0	0	3.5
	Idle	h	0	0	0	0	0	0	3.5	0	0	0	151
Total flow	Residue	kg	7898	8398.7	6136.2	8399.5	8401.3	8400.8	6540.7	8403.8	8401.8	7222.3	9.6 tonnes
	Gas	m3	183.3	0	1008.8	0	0	0	281.7	0	0	468.3	10325 m3
	Air	m3	121327	120358	118986	111860	119451	118512	109298	117815	116344	113650	2842543 m3
NOx (normalised)	Min	mg/m3	65.7	306	73	170.3	227	239	181	196	121.7	105.3	
	Ave	mg/m3	150.2	387	217.9	237.3	278.3	286.3	326.7	238.7	190.4	178.8	
	Max	mg/m3	741.7	662.3	373.3	296.3	315.3	351.3	963.3	289	249.7	546	
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N	N	N	N	N	0 exceedances
CO (normalised)	Min	mg/m3	-7.9	-7.2	-6.9	-7.3	-7.9	-8	-6.9	-7	-6.8	-6.8	
	Ave	mg/m3	-7	-6.6	-6.3	-6.7	-7.5	-7.2	-6.5	-6.8	-6.5	-6.5	
	Max	mg/m3	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 exceedances
	Exceeds daily ELV ?	[50 mg/m3]	N	N	N	N	N	N	N	N	N	N	0 exceedances
Particulates (normalised)	Min	mg/m3	0.4	0.5	0.5	0.4	0.6	0.6	0.5	0.4	0.5	0.2	
	Ave	mg/m3	0.5	0.6	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	
	Max	mg/m3	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.6	
	30m ELV exceedances	[30 mg/m3]	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	0 exceedances
VOC (normalised)	Min	mg/m3	0	0	0.1	0.4	0.5	0.4	0.4	0.4	0.3	0.2	
	Ave	mg/m3	0	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	
	Max	mg/m3	0.7	0.5	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
	30m ELV exceedances	[20 mg/m3]	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	0 exceedances

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Title: Reporting Incinerator CEM Oxides of Nitrogen

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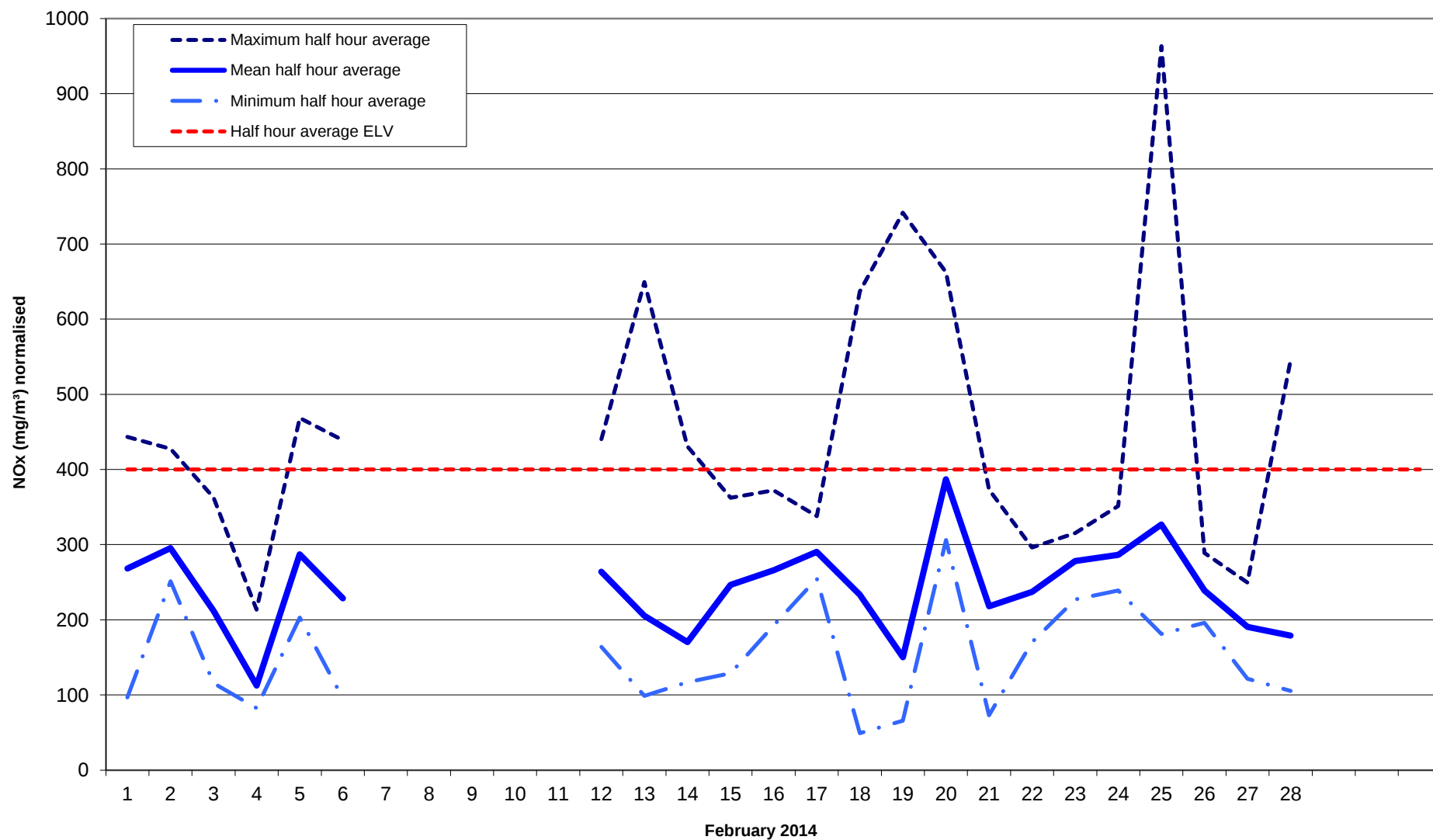
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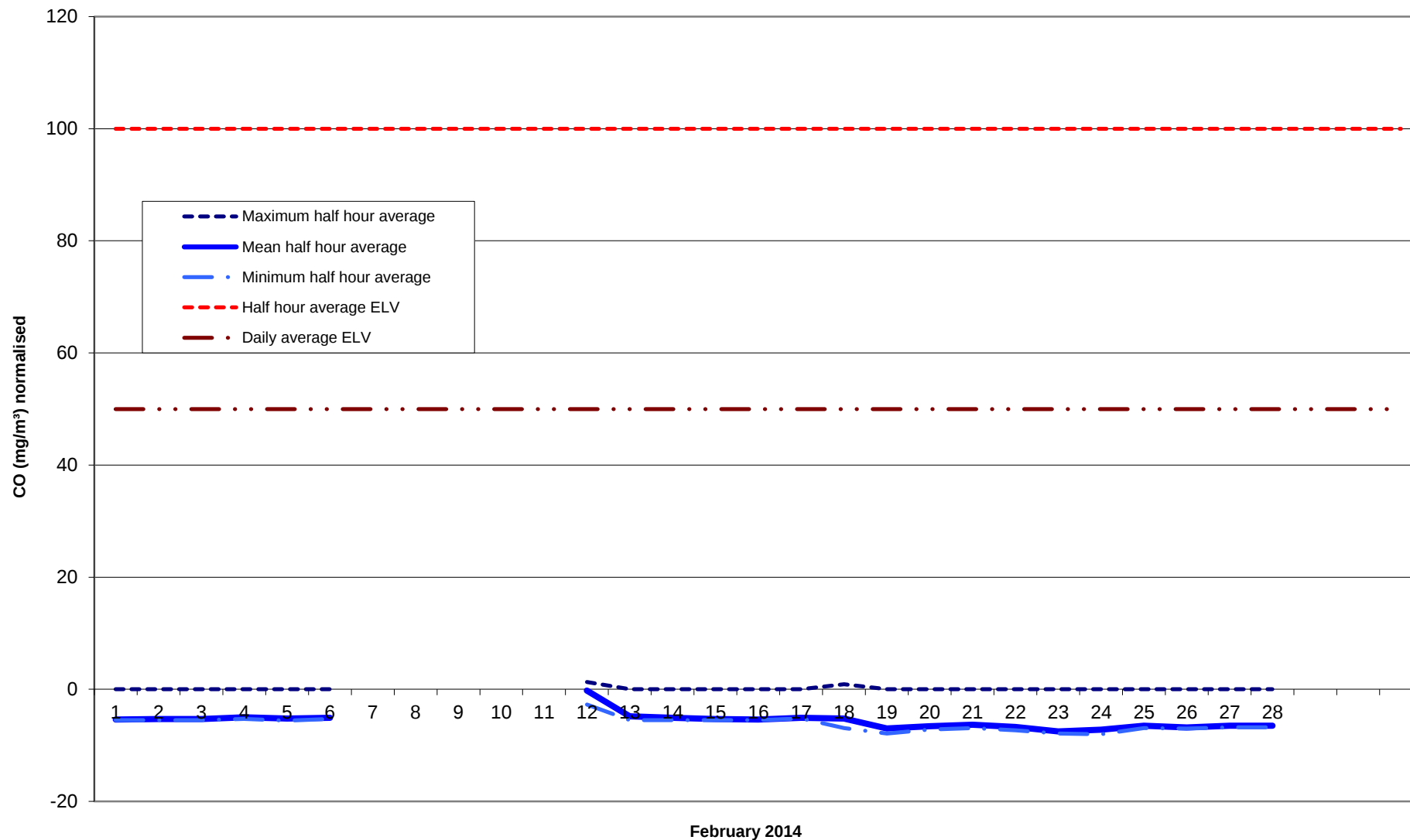




Title: Reporting Incinerator CEM Carbon Monoxide
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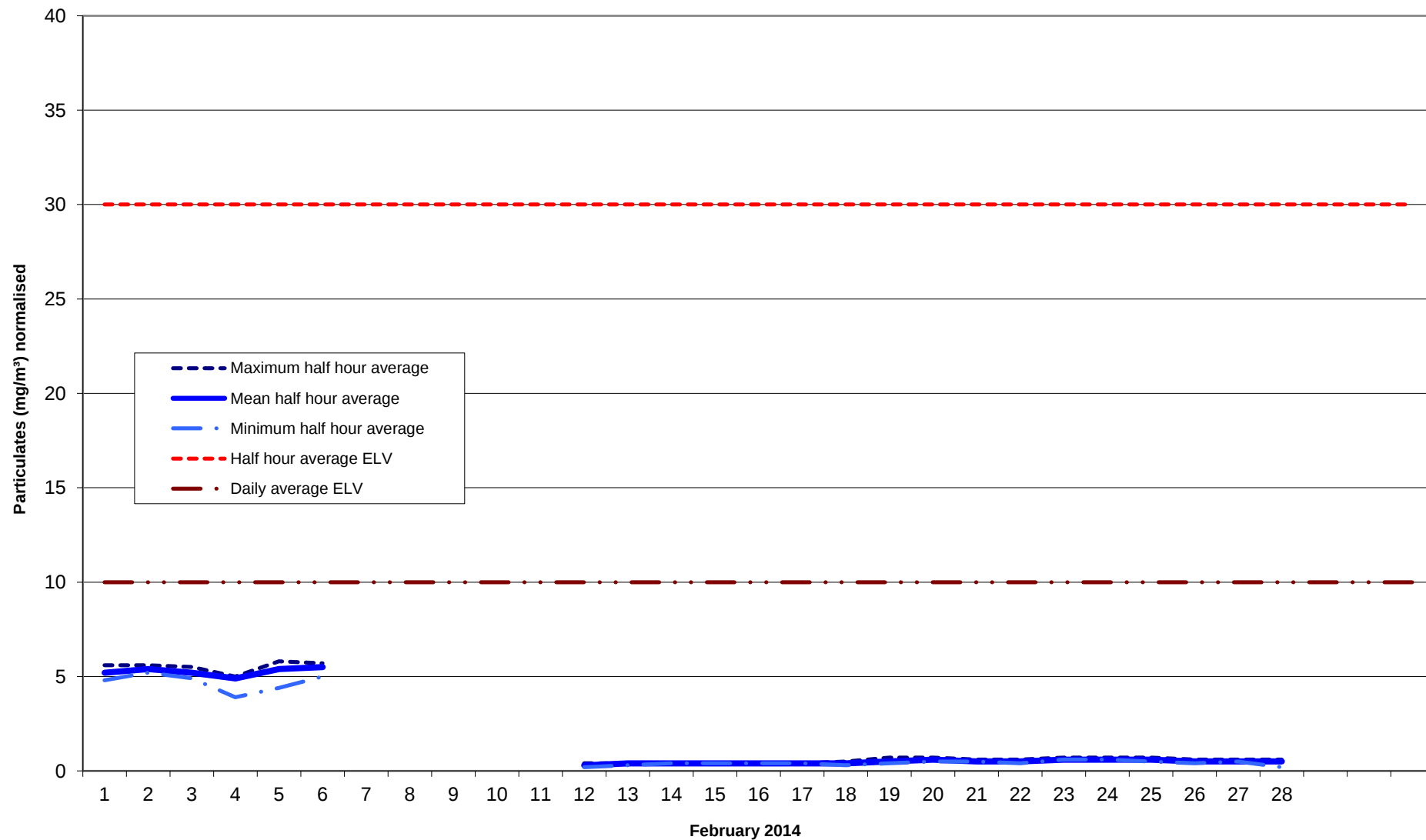




Title: Reporting Incinerator CEM Particulates
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Title: Reporting Incinerator CEM TOC

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