



Title: Reporting Incinerator CEM

Area: Manufacturing

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Incinerator Summary Report - March 2014

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	9	0	0	0	7.5	23	24	23.5	20.5	0	0	21	24	24	24	24	24	24
	Gas	h	0	0	0	0	16	1.5	0	1	3	0	9.5	3	0	0	0	0	0	0
	Residue & gas	h	0	0	0	0	0.5	0.5	0	0.5	0.5	0	0	0	0	0	0	0	0	0
	Idle	h	15	24	24	24	1	0	0	0	1	24	14.5	0	0	0	0	0	0	0
Total flow	Residue	kg	3028.7	0	0	0	2515	8027.8	9625.8	10368.3	9555.8	0	0	7563.2	8138	7200.8	7200.2	7735.3	8400.3	8400.2
	Gas	m3	0	0	0	0	2459.3	159.3	0	151.3	491.3	0	1528.7	529.3	0	0	0	0	0	0
	Air	m3	75166	53566	51136	56191	158356	121544	133106	149683	157861	205593	115585	112344	105519	99962	107945	115855	123028	120832
NOx (normalised)	Min	mg/m3	25				86.7	49	84.3	42	52.7			92.7	113.3	175.3	142	96	80	88.3
	Ave	mg/m3	98.6				170.2	206.3	142.2	83	84.6			156.2	153	209.5	217	150.8	166	95.4
	Max	mg/m3	112.7				498.3	425.3	540	219	108			631	241	240.3	577.7	204.7	614.3	110.3
	Exceeds daily ELV ?	[400 mg/m3]	N			N	N	N	N	N	N		N	N	N	N	N	N	N	N
CO (normalised)	Min	mg/m3	-6.7				-6.8	-7.9	-7.2	-7	-5.5			-6.8	-7	-6.9	-7.4	-7.2	-7.1	-7
	Ave	mg/m3	-6				-6.6	-6.8	-7	-5.5	-5.3			-6.5	-6.7	-6.5	-6.8	-6.9	-6.9	-6.9
	Max	mg/m3	2.1				0	0	0	2.7	1			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
	Exceeds daily ELV ?	[50 mg/m3]	N			N	N	N	N	N	N		N	N	N	N	N	N	N	N
Particulates (normalised)	Min	mg/m3	0.1				0.4	0.4	0.7	0.3	0.5			0.4	0.4	0.4	0.4	0.6	0.6	0.6
	Ave	mg/m3	0.4				0.5	0.6	0.7	0.6	0.6			0.4	0.4	0.4	0.5	0.6	0.7	0.6
	Max	mg/m3	0.4				0.6	0.7	0.7	0.7	0.8			0.4	0.4	0.4	0.7	0.8	0.8	0.7
	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	N	N
VOC (normalised)	Min	mg/m3	0.1				0	0	0.1	0.3	0.5			0.3	0.3	0.5	0.5	0.4	0.5	0.9
	Ave	mg/m3	0.2				0.1	0.3	0.4	0.4	0.5			0.5	0.5	0.5	0.5	0.5	0.8	0.9
	Max	mg/m3	0.5				0.5	0.6	0.5	0.6	0.8			0.5	0.5	0.5	0.5	0.5	1	1
	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	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	24	24	24	22.5	24	24	18.5	21	17.5	17	23.5	23.5	24	560
	Gas	h	0	0	0	2	0	0	5.5	3.5	6.5	8.5	0.5	1	0	61.5
	Residue & gas	h	0	0	0	1	0	0	0	0.5	0.5	2	0	0.5	0	6.5
	Idle	h	0	0	0	0.5	0	0	0	0	0.5	0.5	0	0	0	129
Total flow	Residue	kg	7912.3	7200	7201.7	6668.5	7240.3	7200	5549.2	6070.7	5900.2	5262.5	8188.2	8060.3	8398.7	188.6 tonnes
	Gas	m3	0	0	0	246.2	0	0	766.8	563.7	850.2	1111	87.8	155	0	9100 m3
	Air	m3	114639	101578	99406	101473	99198	98650	107285	104972	112365	119126	114372	116903	114858	3468096 m3
NOx (normalised)	Min	mg/m3	77	124.3	120	97.3	100.7	89	81	87	67	39.7	107	72.7	87.3	
	Ave	mg/m3	104.2	155.5	157.3	129.3	114.1	175.7	276.7	212.2	131.1	156.1	125	94.3	210.9	
	Max	mg/m3	129.3	192.7	190.3	183.3	121.3	425	541	379	320.7	598.7	343.3	116.3	398	
	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	-7	-6.8	-6.8	-7	-7	-7	-6.9	-7	-6.9	-6.9	-6.7	-7.2	-7	
	Ave	mg/m3	-6.8	-6.5	-6.6	-6.3	-6.8	-6.7	-6.6	-6.3	-6.5	-5.7	-6.5	-6.4	-6.5	
	Max	mg/m3	0	0	0	0	0	0	0	0.4	0	0.7	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	0.5	0.5	0.4	0.3	0.4	0.4	0.3	0.2	0.4	0.2	0.4	0.5	0.5	
	Ave	mg/m3	0.6	0.6	0.5	0.5	0.4	0.5	0.4	0.5	0.5	0.4	0.5	0.6	0.6	
	Max	mg/m3	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.5	0.6	0.7	0.7	
	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	0.8	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0	0	
	Ave	mg/m3	0.9	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0	
	Max	mg/m3	1	1	0.5	0.8	0.5	0.5	0.8	0.8	0.6	0.9	0.7	0.6	0	
	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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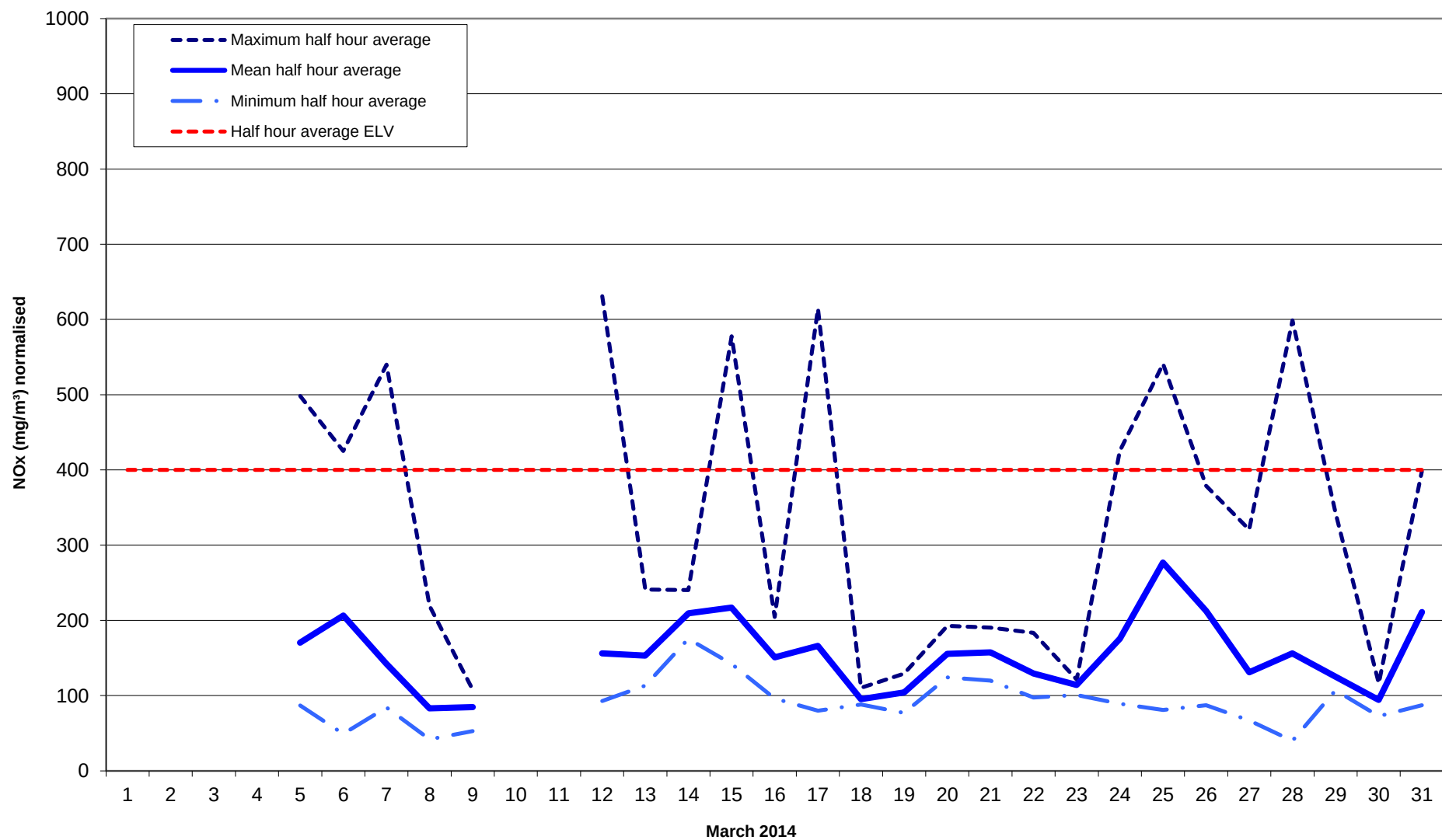
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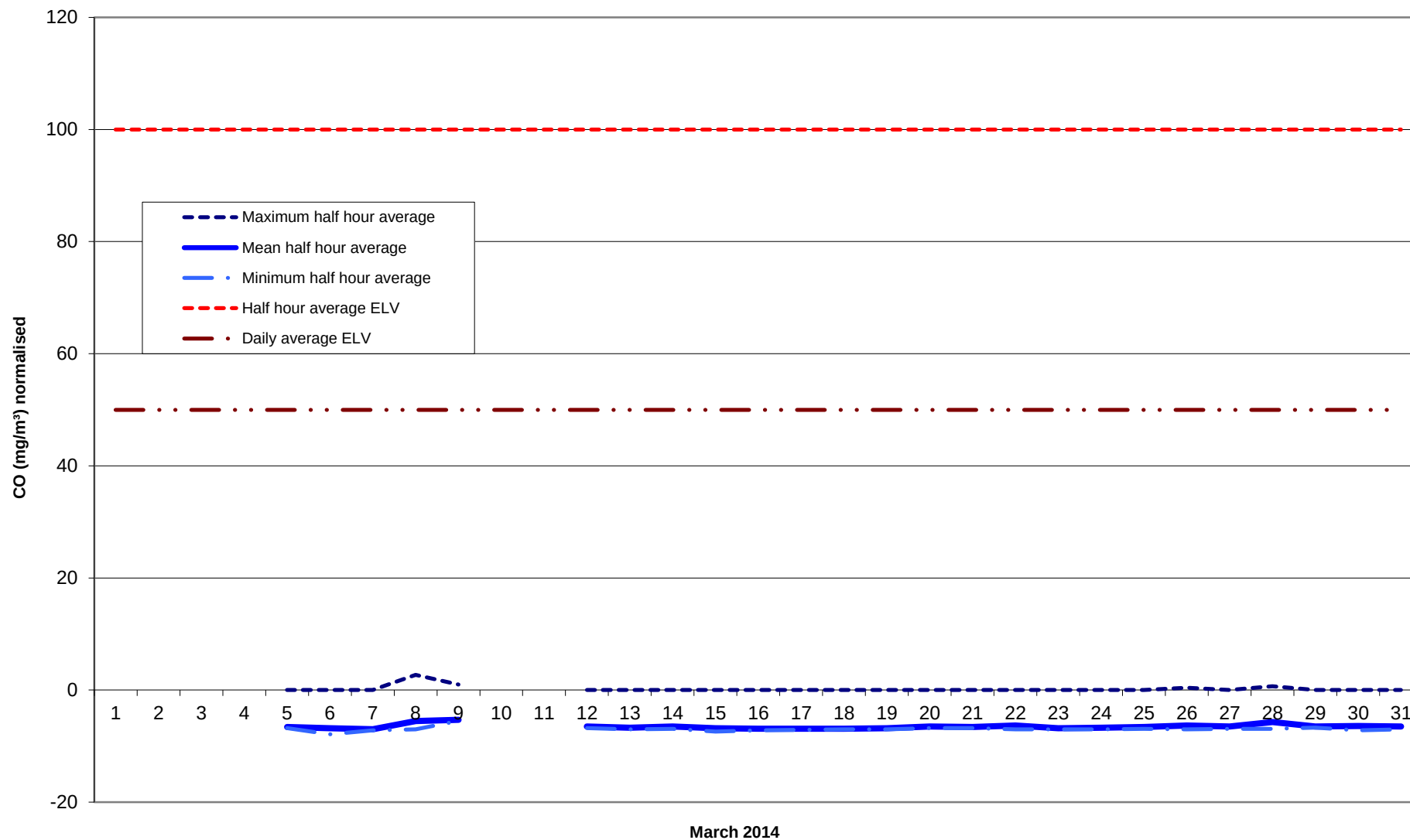
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Title:	Reporting Incinerator CEM Carbon Monoxide	Area:	Manufacturing	Issue No.:	1
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Title: Reporting Incinerator CEM Particulates

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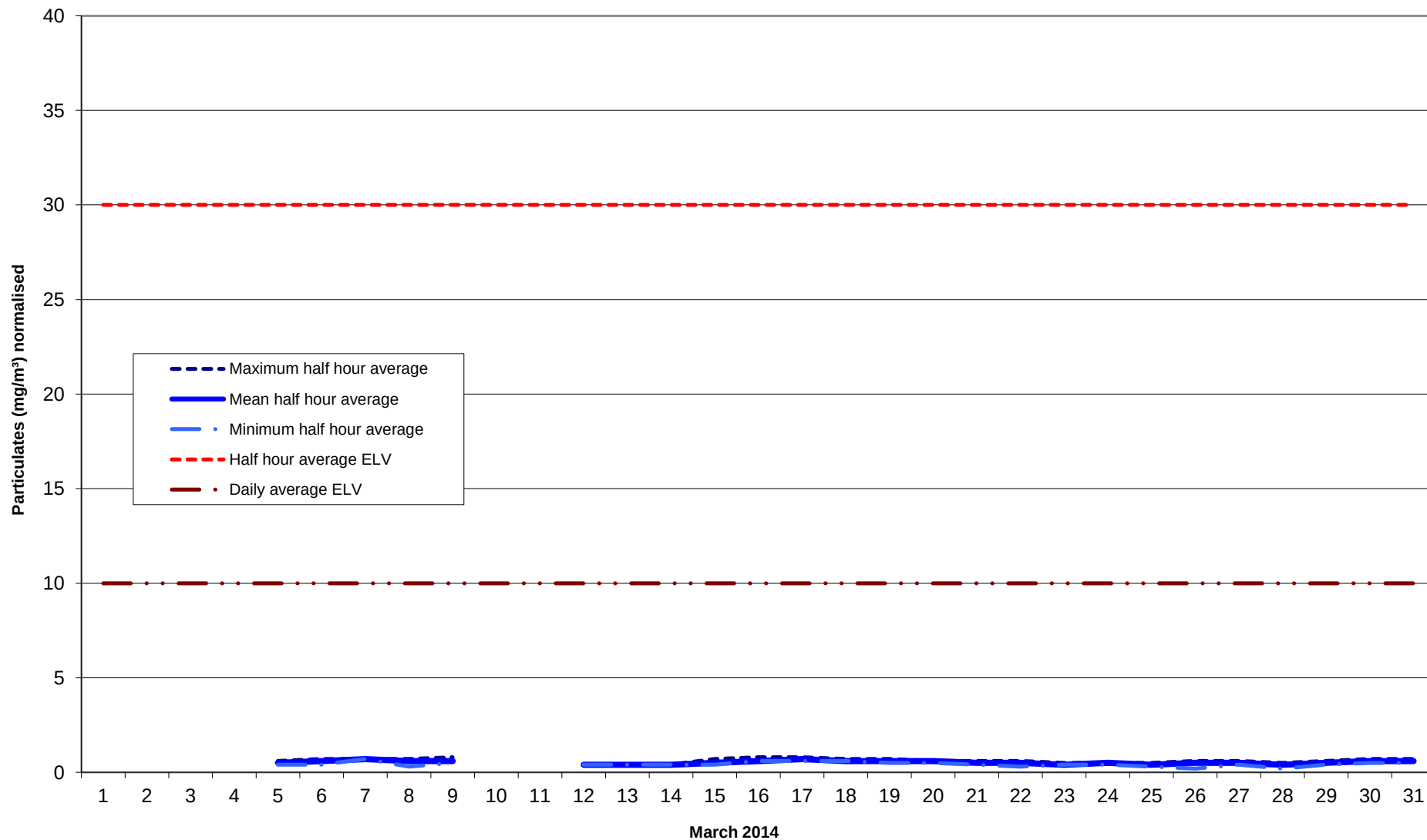
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Title: Reporting Incinerator CEM TOC

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