



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

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Incinerator Summary Report - June 2015

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	20.5	21	20	24	24	24	24	24	24	21.5	24	22.5	23.5	24	24	21	20	23
	Gas	h	4	4	6	0	0	0	0	0	0	2.5	0	1.5	0.5	0	0	3	3.5	1.5
	Residue & gas	h	0.5	1	2	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5	0	0.5
	Idle	h	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5	0.5	0
Total flow	Residue	kg	9010	8619.5	7729.3	9601.5	9600.3	9600.3	9600.8	9600.8	9601.5	8457.3	9602.7	8978	9428.5	9602.3	9602	8373	8359.7	9148.5
	Gas	m3	569.7	503.7	788	0	0	0	0	0	0	392	0	196.5	60.7	0	0	412.8	481	190.8
	Air	m3	132979	134774	133035	129002	131142	128442	131352	128332	127001	126989	128517	133457	129335	125725	122804	130691	127444	121799
NOx (normalised)	Min	mg/m3	132	73.3	202.3	305.7	223.3	246.3	243.7	187	180.7	124.7	140	158.3	168	176	124.3	87	97.7	209.3
	Ave	mg/m3	203	226.5	383	373.4	296	287.2	283.8	242.1	215.9	201.1	217.6	230.2	201.2	198.6	156.6	117.7	139.2	331.3
	Max	mg/m3	458.7	306	797.3	416.3	357	335	305	288.7	252	431.7	313.7	340.7	272	218.7	197	296.3	390.7	1023.7
	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	-4.5	-4.5	-4.7	-4.9	-4.7	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-5.4	-6	-4.5	-4.5
	Ave	mg/m3	-4.4	-4	-4.1	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.3	-4.5	-4.4	-4.4	-4.5	-4.6	-4.9	-4.5	-4.4
	Max	mg/m3	0	2.1	1.1	0	0	0	0	0	0	0.9	0	0	0	0	0	0.1	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	0.6	0.3	0.5	0.8	0.9	0.8	0.8	0.8	0.8	0.5	0.9	1.1	1	0.8	0.8	0.9	0.9	0.8
	Ave	mg/m3	0.7	0.7	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.9	1	1.1	1.1	0.9	0.9	1	1.1	1
	Max	mg/m3	0.8	0.8	0.9	0.9	1.1	0.9	0.9	0.9	0.9	1.1	1.2	1.2	1.2	1	0.9	1.1	1.3	1.2
	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	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.5	0.4	0.5	0.5	0.5	0.5	0.7	0.5
	Ave	mg/m3	0.5	0.5	0.9	0.8	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.6	0.8	0.9	0.7
	Max	mg/m3	1	0.7	1	1.5	1.1	0.7	0.5	0.5	0.8	0.9	1	1	0.5	0.5	1	1	1	1
	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	TOTALS
Running time	Residue	h	22.5	24	24	19	24	24	24	24	20.5	24	24	14	677
	Gas	h	2	1	0	6.5	0	0	0	0	2	0	0	3	41
	Residue & gas	h	0.5	1	0	1.5	0	0	0	0	0.5	0	0	0	8.5
	Idle	h	0	0	0	0	0	0	0	0	2	0	0	7	10.5
Total flow	Residue	kg	9136.3	10058	10321	7645.8	9600.8	9601.5	9601.2	9601.3	7788.2	8400.2	8400.5	4941.8	269.6 tonnes
	Gas	m3	301.3	78.5	0	874.2	0	0	0	0	272.3	0	0	496.2	5618 m3
	Air	m3	124530	127314	129517	129256	127893	130213	132604	129418	121923	110858	113034	168595	3867974 m3
NOx (normalised)	Min	mg/m3	146	53.7	245	124	275.3	191.7	136.7	104	134	134.3	192	200.7	
	Ave	mg/m3	222.1	137.9	273.7	312.7	313.7	275	225.9	248.6	313.4	239.4	260.3	283.7	
	Max	mg/m3	664	426.3	295.7	453.3	415.7	367.7	509.3	476	604.7	359	367.3	355	
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	0 exceedances
CO (normalised)	Min	mg/m3	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-5.9	-5.8	-5.5	-5.5	
	Ave	mg/m3	-4.5	-4.3	-4.5	-4.1	-4.5	-4.5	-4.5	-4.4	-4.9	-5.1	-5.4	-5.3	
	Max	mg/m3	0	1.9	0	1.4	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 exceedances
	Exceeds daily ELV ?	[50 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	0 exceedances
Particulates (normalised)	Min	mg/m3	0.8	0.6	0.9	0.5	0.8	0.9	1.1	1.1	0.7	0.4	0.4	0.4	
	Ave	mg/m3	0.9	1	1	0.9	0.9	1	1.2	1.2	1.1	0.5	0.5	0.5	
	Max	mg/m3	0.9	1.1	1.1	1	1	1.2	1.3	1.3	1.2	0.7	0.5	0.5	
	30m ELV exceedances	[30 mg/m3]	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	0 exceedances
VOC (normalised)	Min	mg/m3	0.5	0.3	0.5	0.3	0	0.1	0.5	0.5	0.4	0	0	0	
	Ave	mg/m3	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.4	0	0.1	
	Max	mg/m3	0.8	0.9	0.5	0.6	0.5	0.5	0.9	0.8	0.9	0.9	0.4	0.5	
	30m ELV exceedances	[20 mg/m3]	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	0 exceedances

NOTES

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Title: Reporting Incinerator CEM Oxides of Nitrogen

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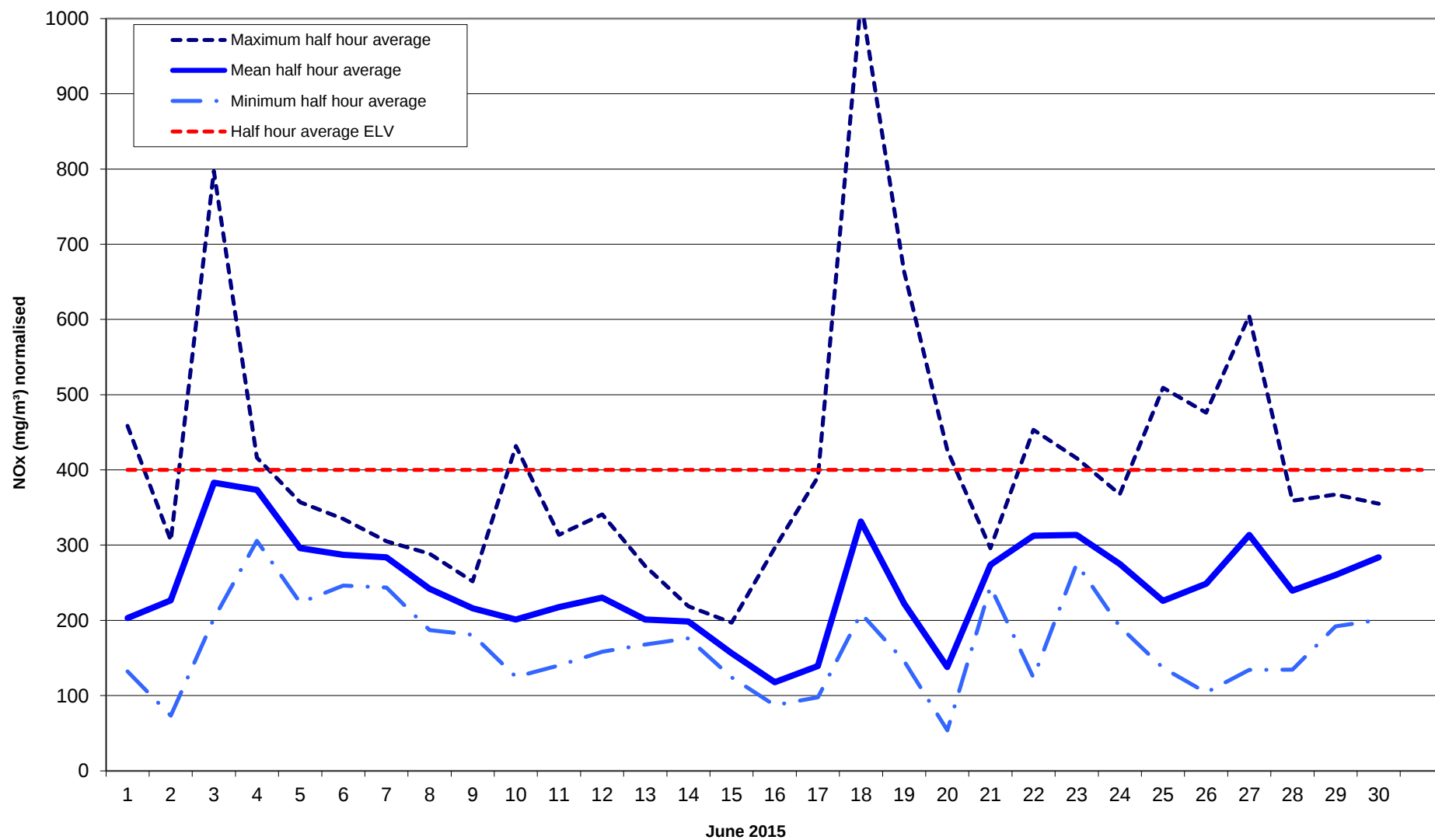
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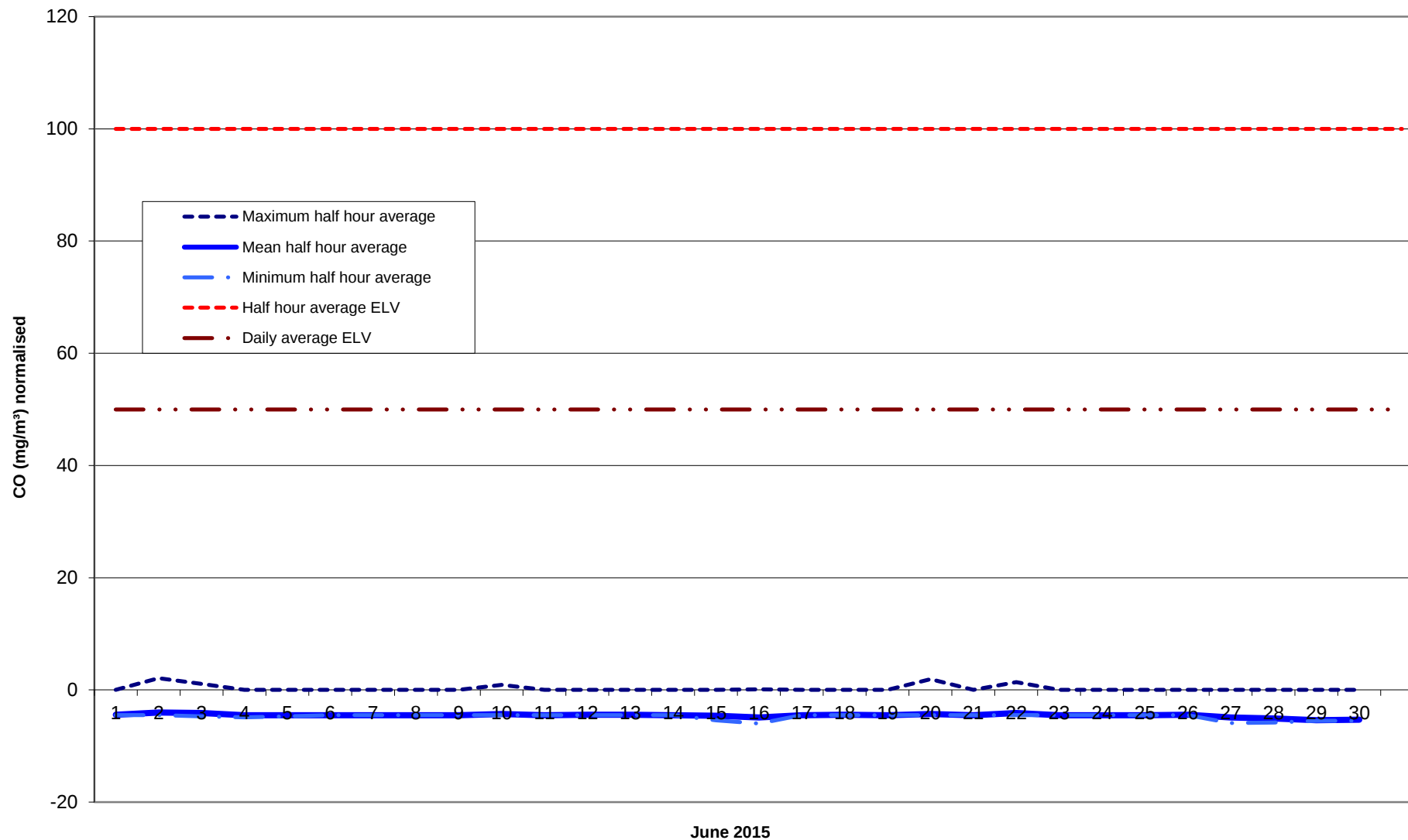
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Title:	Reporting Incinerator CEM Carbon Monoxide	Area:	Manufacturing	Issue No.:	1
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Title: Reporting Incinerator CEM Particulates

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Issue No.: 1

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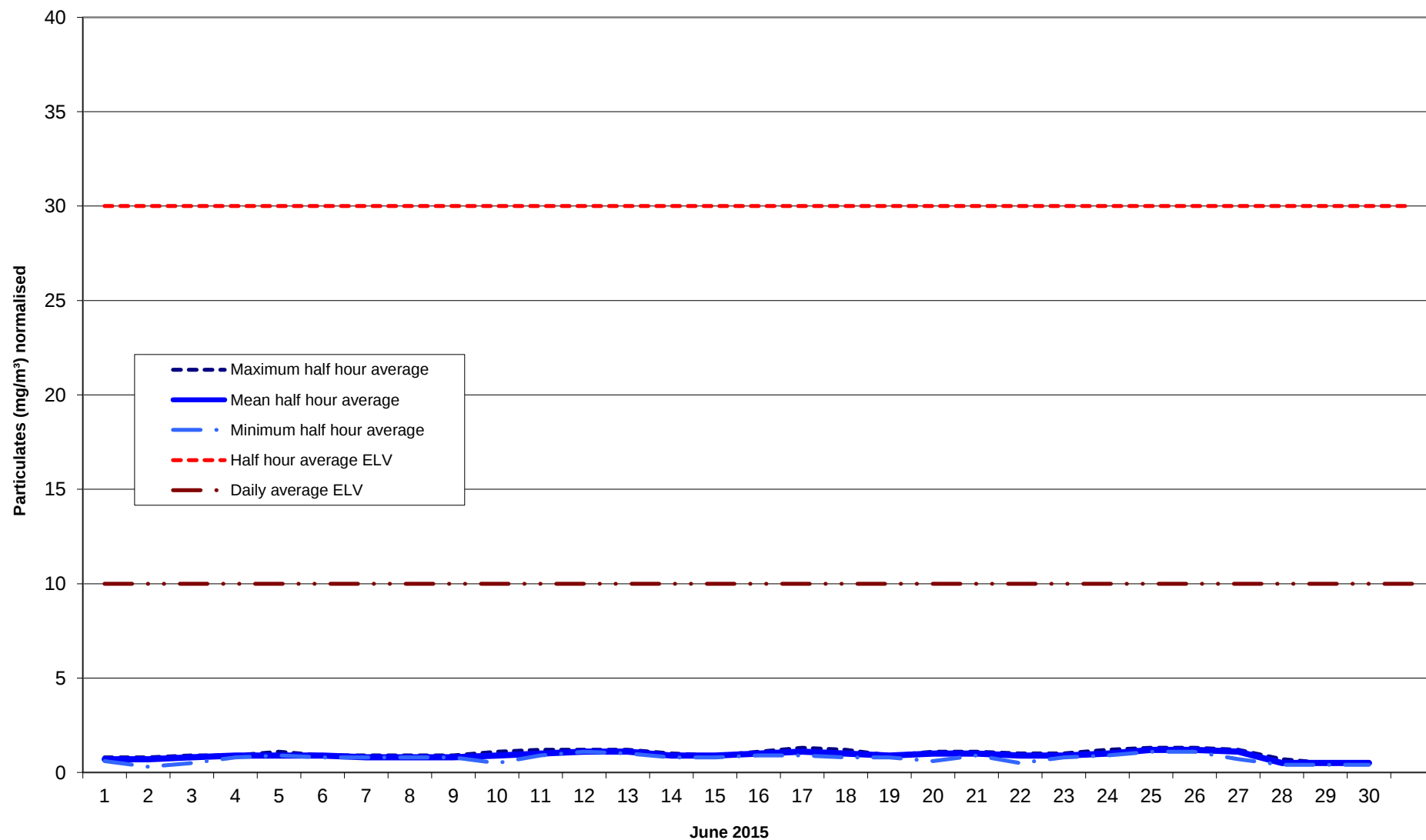
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Title: Reporting Incinerator CEM TOC

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