



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

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Incinerator Summary Report - October 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	23	24	24	24	24	22	24	23	23	22	23	24	23.5	24	21	24	23
	Gas	h	0	1	0	0	0	0	2	0	1.5	1	3	1	0	0.5	0	3.5	0	2.5
	Residue & gas	h	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0.5	0	1.5
	Idle	h	0	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0	0	0	0
Total flow	Residue	kg	7554.2	6966.8	7678.3	8242.7	9611.7	9596	9277	11436.2	11098.7	11774.7	9546	12072.7	13203.8	12800	13204	10586.5	12351.7	10284
	Gas	m3	0	173.2	0	0	0	0	345.7	0	203	178.5	361	169.7	0	101.2	0	526.8	0	256.5
	Air	m3	91413	89693	98488	101450	117673	117955	121746	143673	153289	161498	136571	163203	170938	169674	169828	150091	146895	136159
NOx (normalised)	Min	mg/m3	114	67.7	97	97	80.3	79	77.3	72	62.3	71.3	78.3	71.7	69.3	67.3	69.7	58.3	75.3	49.7
	Ave	mg/m3	138.2	146.9	127.5	116.8	99.2	98.6	111.3	89.9	94.3	91.7	110.2	110.3	87.7	93.4	88.3	113.7	94.8	117.1
	Max	mg/m3	236.7	463	138.3	133.7	102.3	105.7	414	93.3	292	315.3	384.3	749.7	95	393.3	95	466.7	101.3	487
	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	-5	-5.1	-4.8	-5	-5.1	-4.5	-4.2	-5.2	-5.1	-5.5	-5.5	-5.5	-5.5	-5.5	-5.5	-5.5	-6	-6.4
	Ave	mg/m3	-4.4	-4.2	-4.2	-4.3	-4.6	-4	-4	-4.5	-4.4	-4.6	-4.2	-5.2	-4.9	-4.7	-4.7	-4.8	-5.4	-5.1
	Max	mg/m3	0	1.4	0	0	0	0	0	0	0	0	0	0	0	0	0	1.7	0	0.5
	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	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.6	0.4
	Ave	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	0.4	0.4	0.5	0.5	0.7	0.8
	Max	mg/m3	0.5	0.6	0.5	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.8	0.7	0.5	0.5	0.5	0.7	0.8	0.9
	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	0.5	0.5	0.3	0.5	0.4	0.5	0.5	0.1	0.5	0.5	0	0	0	0	0.4	0	0.2
	Ave	mg/m3	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.7	0.2	0	0	0.1	0.6	0.4	0.5
	Max	mg/m3	0.5	0.5	0.5	0.5	0.6	0.5	1.2	0.8	0.8	1.3	2.8	0.8	0	0	0.8	0.9	0.8	0.6
	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	14	0	0	0	0	5.5	21.5	22	24	24	24	9.5	15.5	579.5
	Gas	h	1	0	0	0	11.5	8.5	3.5	2	0	0	0	15	9.5	67
	Residue & gas	h	0	0	0	0	0	0	1	0.5	0	0	0	0.5	1	7
	Idle	h	9	24	24	24	12.5	10	0	0.5	0	0	0	0	0	104.5
Total flow	Residue	kg	7413.8	0	0	0	0	2474.8	10642.7	10947.8	13199.8	13202.5	13201.3	5046.7	7570.3	271 tonnes
	Gas	m3	172.5	0	0	0	1952.7	1412.2	488.8	349.5	0	0	0	2431.2	1549.2	10672 m3
	Air	m3	210695	139958	14930	14324	132581	193766	131527	147118	169237	173137	163736	144389	149429	4225065 m3
NOx (normalised)	Min	mg/m3	73.3					45.7	87.3	86.7	80	74	75.7	57	83	
	Ave	mg/m3	91.6					175.6	176.8	127.6	96.9	93.6	95.2	94.5	122.7	
	Max	mg/m3	95.3					560.7	649	442.3	100	97	99.3	99.7	464	
	Exceeds daily ELV ?	[400 mg/m3]	N				N	N	N	N	N	N	N	N	N	0 exceedances
CO (normalised)	Min	mg/m3	-5.5					-5.2	-7.4	-5.8	-5.5	-4.8	-5.3	-4.4	-4.8	
	Ave	mg/m3	-5.3					-4.8	-4.4	-4.4	-4.8	-4.2	-4.3	-3.9	-4	
	Max	mg/m3	0					0	0.9	2.1	0	0	0	0	0	
	30m ELV exceedances	[100 mg/m3]	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	0.8					0.3	0.4	0.5	0.8	0.8	0.7	0.7	0.6	
	Ave	mg/m3	0.9					0.7	0.7	0.7	0.8	0.9	0.8	0.7	0.8	
	Max	mg/m3	0.9					0.8	0.8	0.8	1	1	0.8	0.8	0.8	
	30m ELV exceedances	[30 mg/m3]	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					0.2	0.4	0.5	0.5	0.5	0.5	0.5	0.4	
	Ave	mg/m3	0.3					0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
	Max	mg/m3	0.6					0.5	1	0.8	0.5	0.5	0.5	0.5	1.2	
	30m ELV exceedances	[20 mg/m3]	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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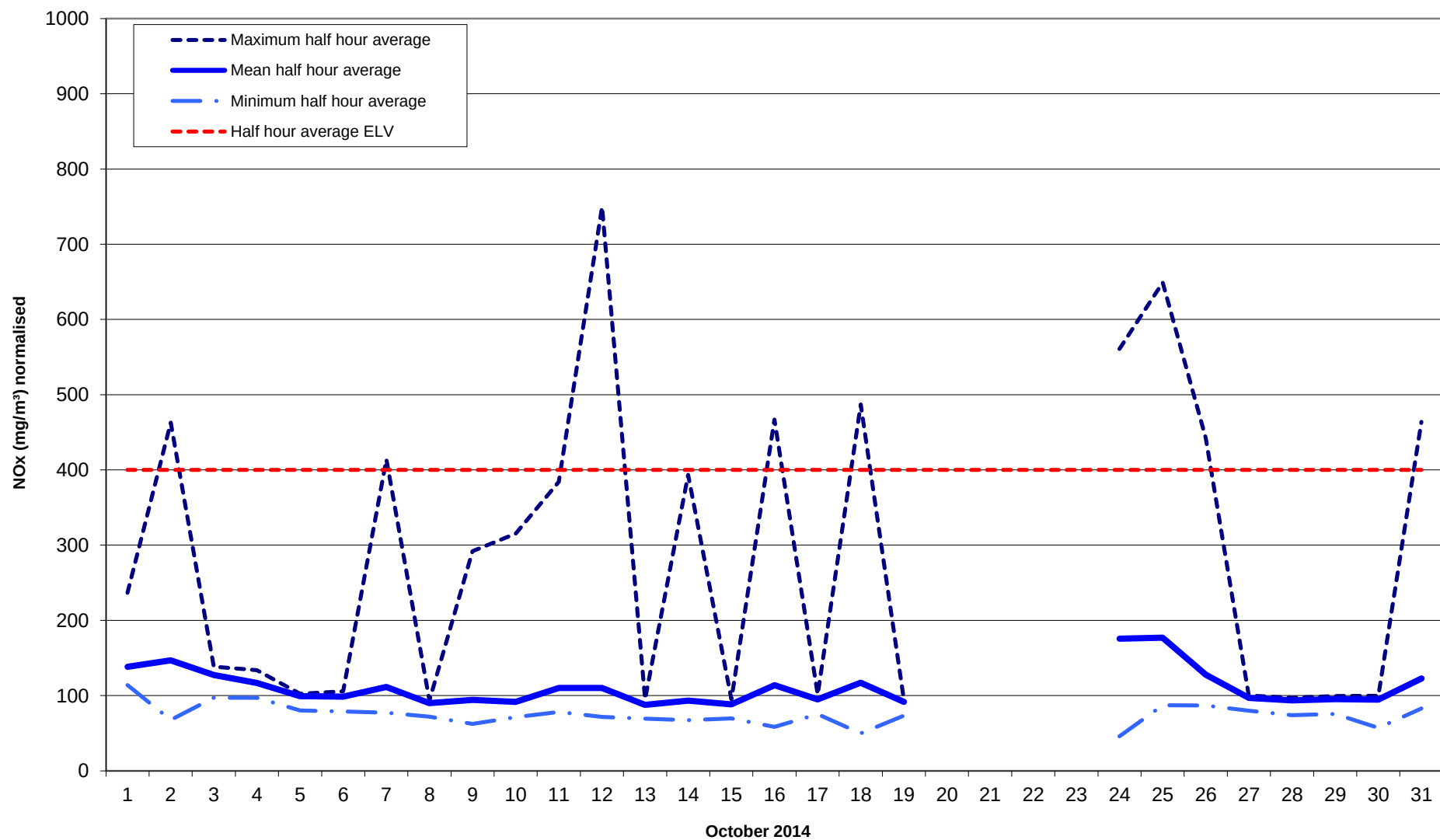
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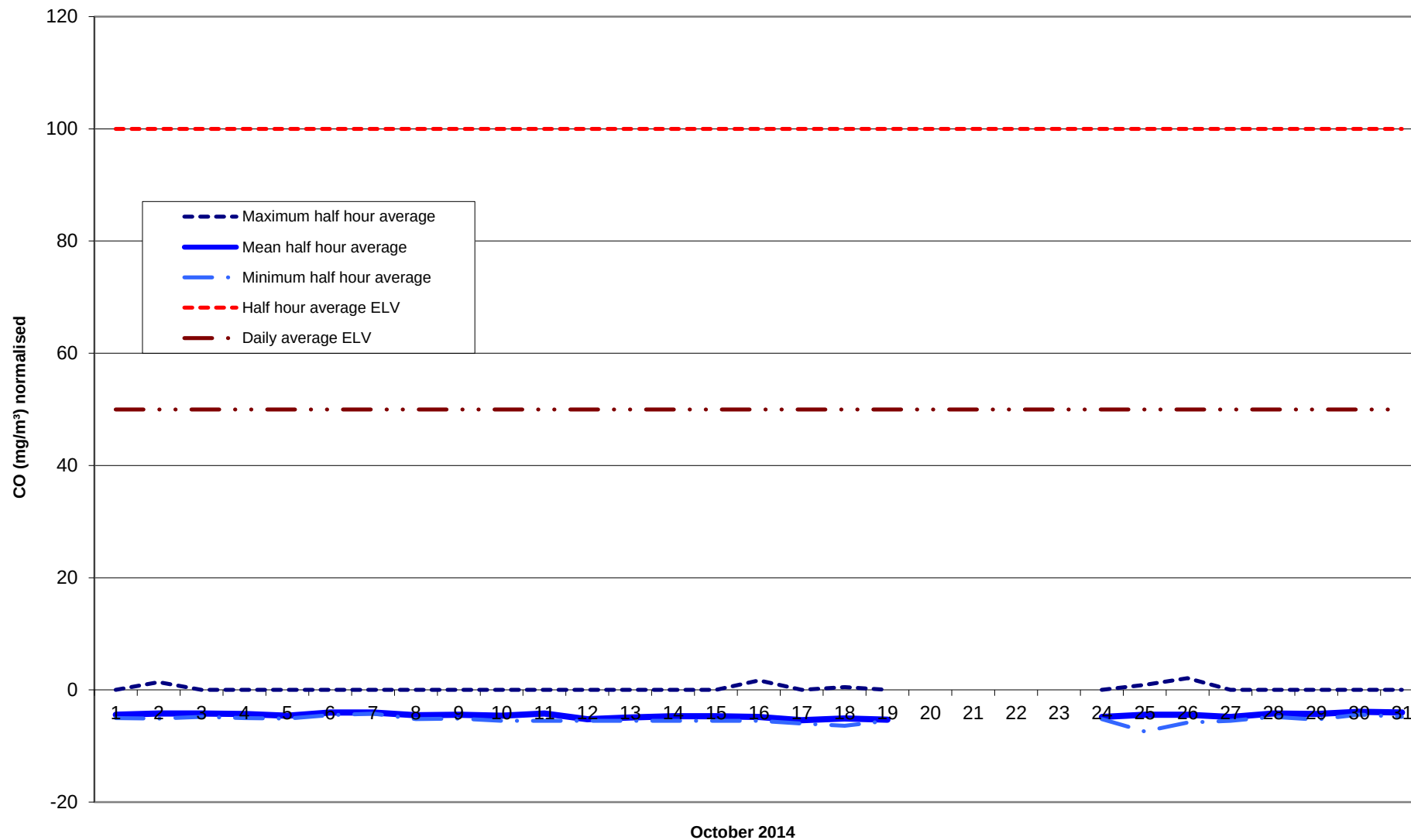
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Title: Reporting Incinerator CEM Particulates

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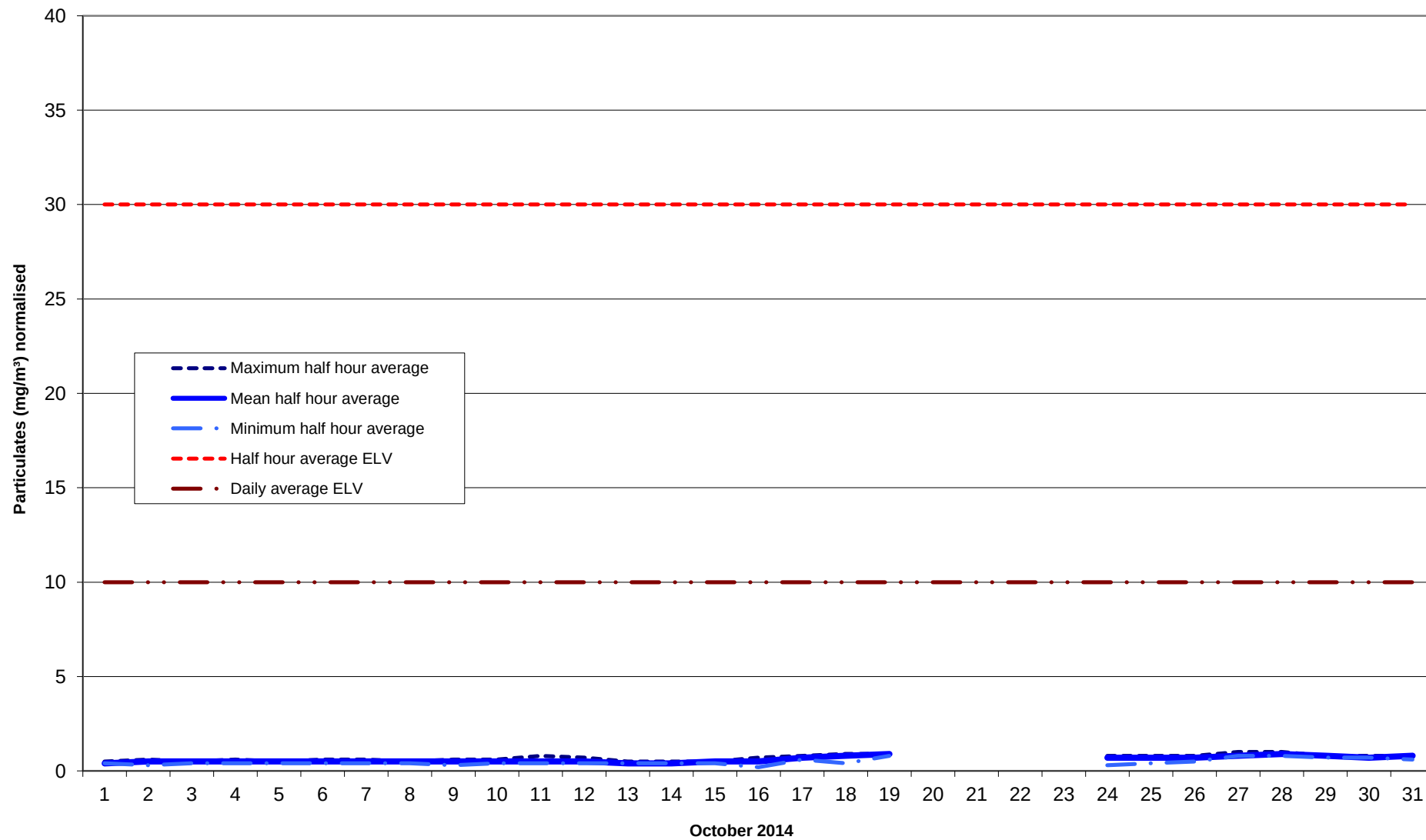
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Title: Reporting Incinerator CEM TOC

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