



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

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Incinerator Summary Report - December 2013

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	17.5	24	24	24	24	24	24	24	24	24	24	19.5	24	24	24	24	24	24
	Gas	h	6	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
	Residue & gas	h	0.5	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0
	Idle	h	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Total flow	Residue	kg	6549.5	8401	8400	8400.7	8400.7	8401.3	8400	8400.7	8401.5	8400.7	8400.8	6705.7	8398.5	8401.3	8400.5	8401.8	8405.3	8400.2
	Gas	m3	1000.5	0	0	0	0	0	0	0	0	0	0	444	0	0	0	0	0	0
	Air	m3	131296	109630	113607	111414	111478	111239	114847	115877	111737	106357	102342	112868	116955	112433	114367	113039	106594	112900
NOx (normalised)	Min	mg/m3	144	120.7	89.3	95.3	104	90.7	91	84.3	74.7	71	70	64.3	75.3	75.7	77	85.7	85.3	79
	Ave	mg/m3	227.8	138.7	111.3	109	133.3	104.3	104.1	94.8	81.8	78.8	79.8	95.5	87.5	87.6	87	95.7	96.5	89.1
	Max	mg/m3	823	155.7	139.7	125	169.7	128.7	120	108	85	80.3	84	329	97.7	102	90	115	107	99
	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	-5.5	-5.5	-5.5	-5.5	-5.5	-5.5	-5.9	-5.9	-5.5	-5.5	-6.2	-6.6	-6.5	-6.5	-6.5	-5.5	-5.5
	Ave	mg/m3	-5.3	-5.5	-5.5	-5.5	-5.5	-5.5	-5.5	-5.5	-5.6	-5.5	-5.5	-5.4	-6	-6	-5.7	-5.9	-5.5	-5.4
	Max	mg/m3	0	0	0	0	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	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.6	0.6	0.7	0.7	0.5	0.4
	Ave	mg/m3	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.5
	Max	mg/m3	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.6
	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	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0
	Ave	mg/m3	0	0.1	0.2	0	0.2	0.1	0.2	0.1	0	0	0	0.2	0.2	0.1	0	0	0	0
	Max	mg/m3	0	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.6	0.4	0.2	0.1	0	0.1	0
	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	16	24	24	24	24	24	22	22.5	13	20	19	24	24	701.5
	Gas	h	5.5	0	0	0	0	0	2	1.5	6.5	3	5	0	0	32.5
	Residue & gas	h	0.5	0	0	0	0	0	0.5	0	0.5	0	0	0	0	2.5
	Idle	h	3	0	0	0	0	0	0.5	0	5	1	0	0	0	12.5
Total flow	Residue	kg	5431.2	8402.7	8402.2	8400.8	8405.8	8401.7	7638.5	7844	4599	7034.2	6670.3	8400.2	8397	245.7 tonnes
	Gas	m3	878.3	0	0	0	0	0	241.5	189.2	1027.2	534.3	669	0	0	4984 m3
	Air	m3	124739	113542	118415	110952	113144	109690	110903	111996	105095	117658	117026	113144	110162	3505443 m3
NOx (normalised)	Min	mg/m3	58	102.3	124	121.7	92.7	94.7	93.3	100.3	155.7	148	97.7	85	92.7	
	Ave	mg/m3	154.3	132.8	153.6	142.1	113.3	105.3	148.7	191.4	222.9	235.5	178.3	97.1	111.4	
	Max	mg/m3	517	160.3	195	203.3	146.7	125	328	391.3	472.7	503	662.7	118	143	
	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	-5.5	-5.5	-6.3	-5.5	-5.5	-5.5	-5.5	-5.5	-6.2	-5.6	-5.5	-6.2	-6.2	
	Ave	mg/m3	-5.4	-5.5	-5.6	-5.5	-5.4	-5.4	-5.4	-5.4	-5.6	-5.4	-5.5	-5.5	-5.7	
	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	0.3	0.4	0.5	0.5	0.4	0.5	0.4	0.3	0.4	0.4	0.4	0.4	0.4	
	Ave	mg/m3	0.4	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.4	
	Max	mg/m3	0.5	0.5	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	
	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	0.2	0	0	0	0.4	0.3	0.5	0.5	0	0	
	Ave	mg/m3	0.2	0.2	0.3	0.3	0.1	0	0.3	0.5	0.5	0.5	0.5	0	0	
	Max	mg/m3	0.5	0.5	0.5	0.3	0.4	0.1	0.6	0.9	0.5	0.8	1	0.5	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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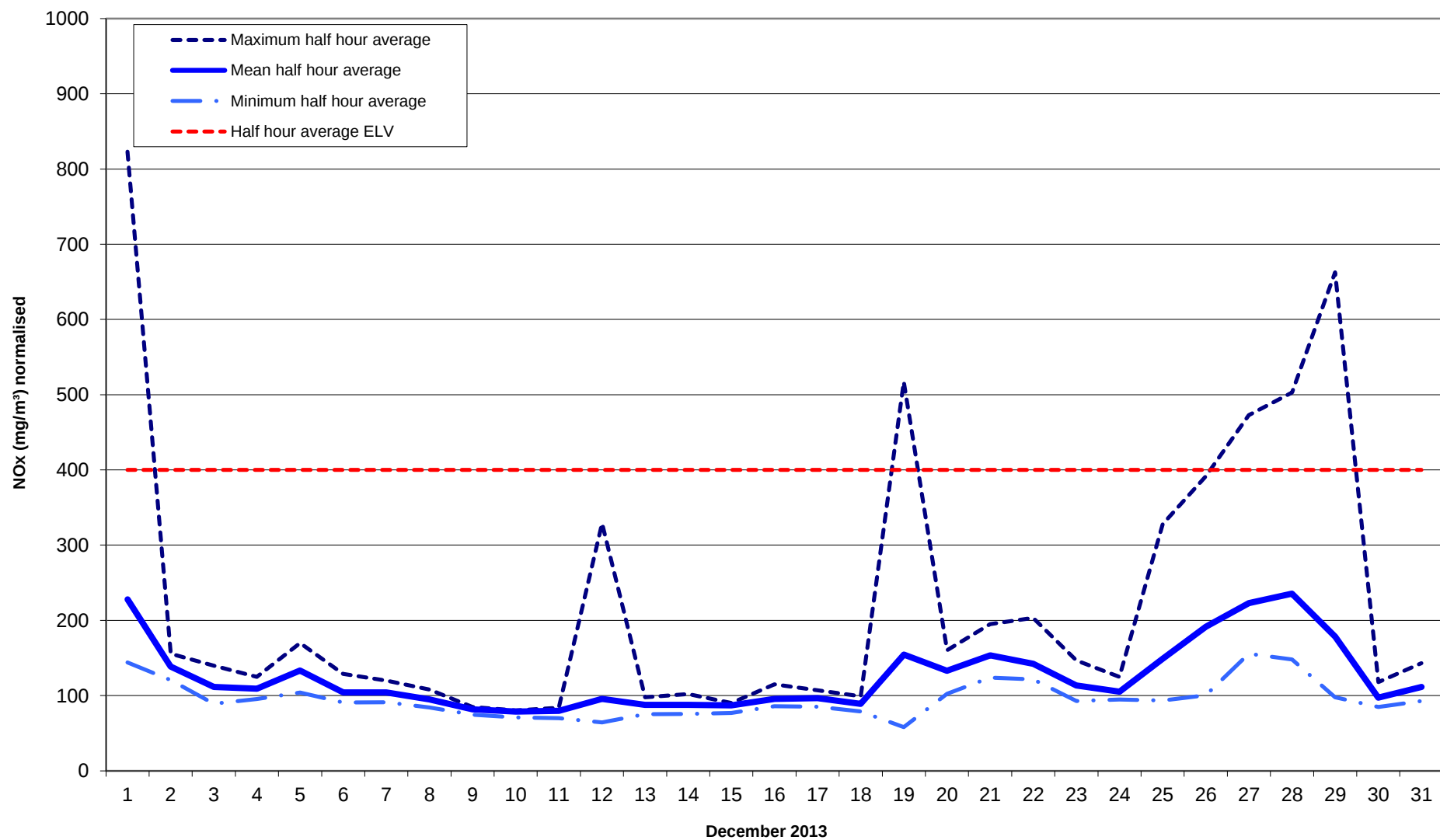
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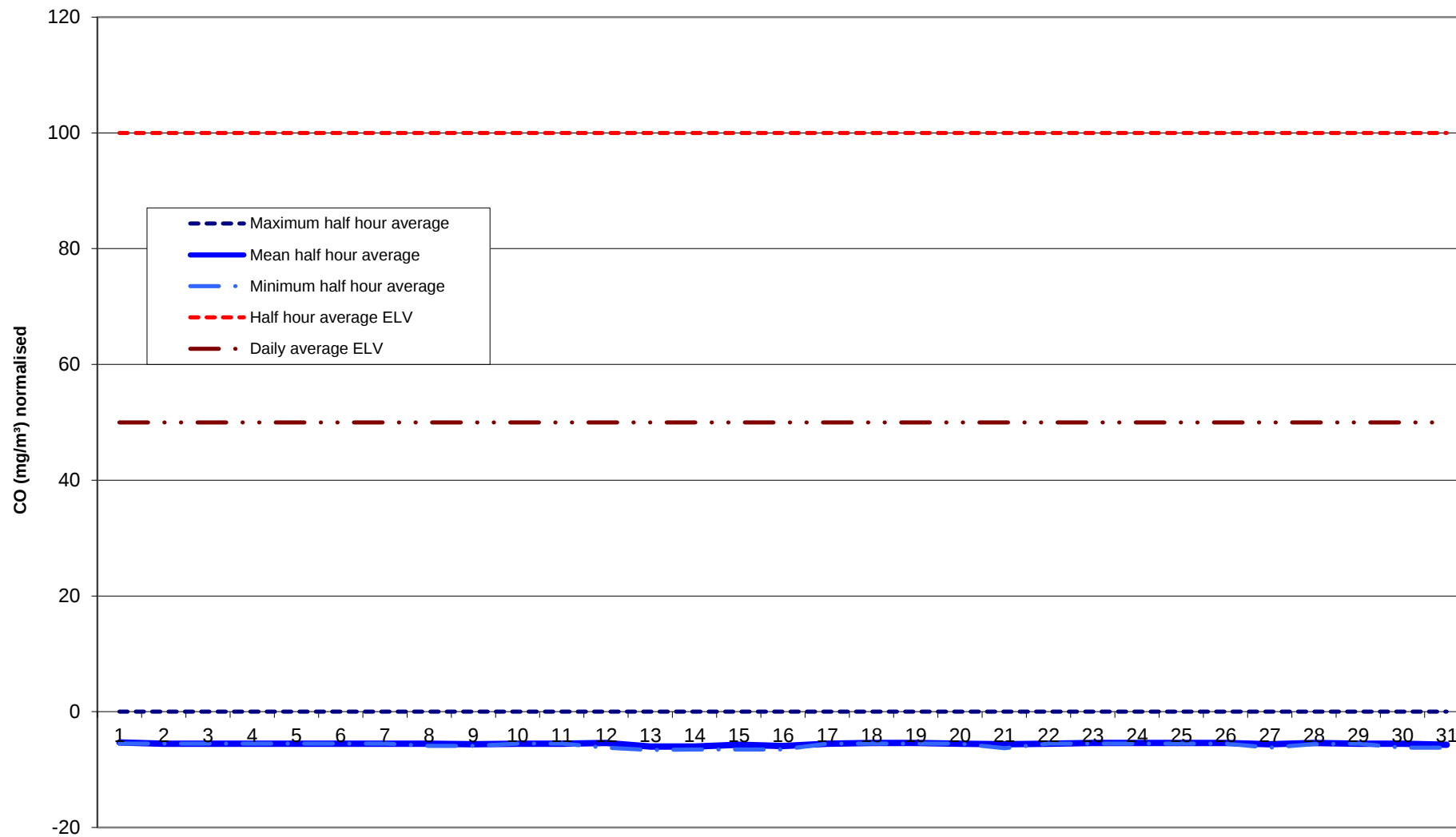
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Title:	Reporting Incinerator CEM Carbon Monoxide	Area:	Manufacturing	Issue No.:	1
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Title: Reporting Incinerator CEM Particulates

Area: Manufacturing

Issue No.: 1

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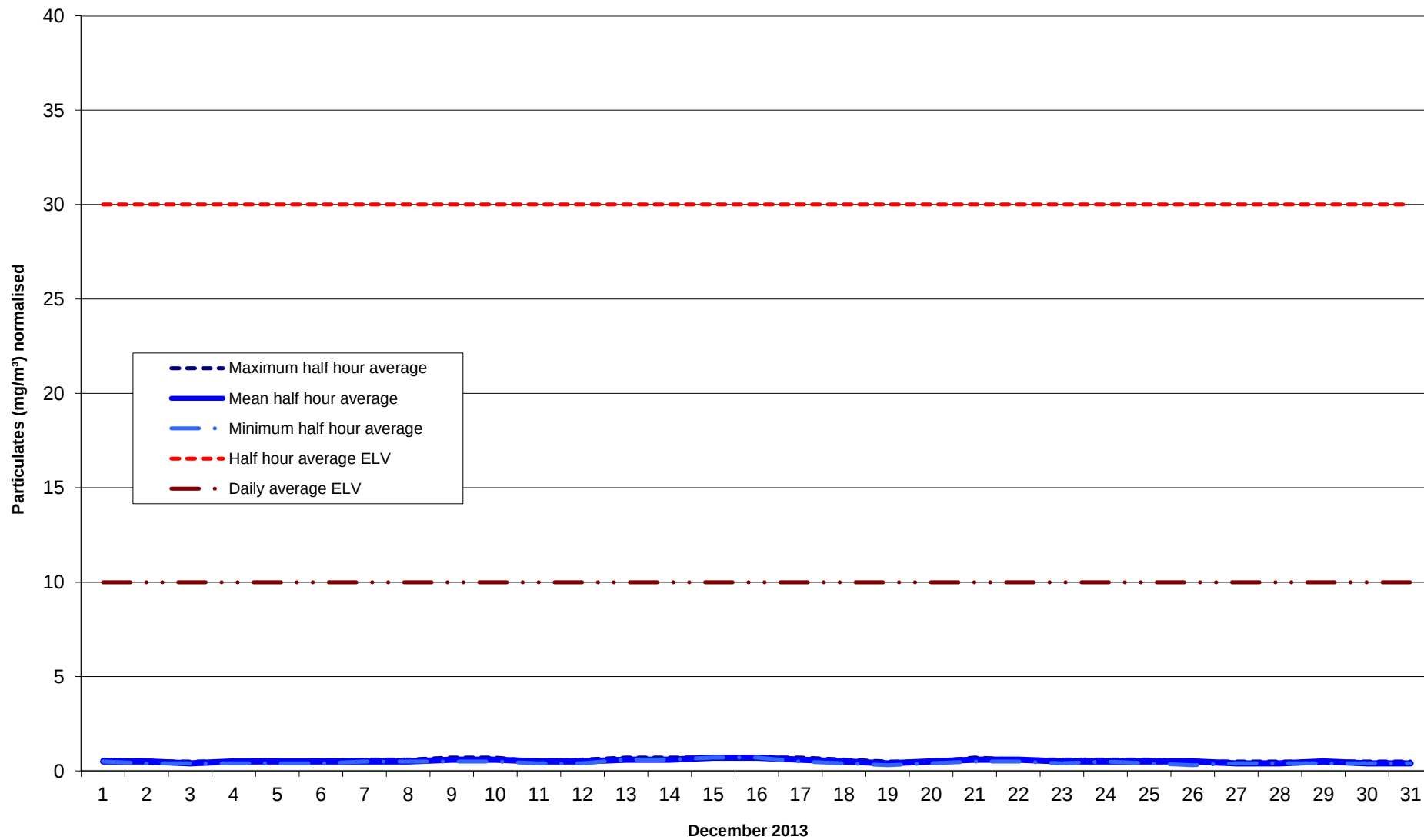
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Title: Reporting Incinerator CEM TOC

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