



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 06/05/2015

Date of Issue: 21/12/2006

Related Document: BU2357/AP3634

Created on: 21-12-2006

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Incinerator Summary Report - September 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	18.5	24	24	16	20	23.5	24	20	24	24	24	22.5	24	21.5	21
	Gas	h	2	0	5	6	0	0	7.5	5	0.5	0	5	0	0	0	1	0	2.5	2.5
	Residue & gas	h	0	0	0	0.5	0	0	1	1	0	0	1	0	0	0	0	0	0	0
	Idle	h	13	24	19	0	0	0	1.5	0	0	0	0	0	0	0	0.5	0	0	0.5
Total flow	Residue	kg	2734.3	0	0	6482.2	12003.5	11999.5	7498.3	7131.7	9143	9420.2	6106.2	7555.5	7589.3	7195.7	6783.8	7247.8	6456.2	6365.3
	Gas	m3	340.5	0	855.8	1000.8	0	0	987.5	649.7	87.2	0	652.7	0	0	0	188	0	351.5	390
	Air	m3	96041	26593	69331	138745	171680	167052	158669	113674	123461	126497	100232	92457	94540	80436	84304	86084	90349	94027
NOx (normalised)	Min	mg/m3	66.7			85.3	84.7	73	53.7	72.7	72	70.3	70.7	183.3	220	232.7	208	204	199.3	209.3
	Ave	mg/m3	186.2			176.8	95	192.6	92.9	113.6	185.8	88.2	203.1	255.7	284.8	281.2	273.9	248	270.4	257.4
	Max	mg/m3	361.7			497	108	1103.3	252.3	429	622	114.3	640	316.3	345.3	349	489	276.3	659	598
	Exceeds daily ELV ?	[400 mg/m3]	N		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CO (normalised)	Min	mg/m3	-6.8			-5.6	-5.6	-5.7	-6.1	-5.7	-5.4	-5.5	-5.5	-5.5	-5.5	-5.2	-5	-5.1	-5.2	-5.2
	Ave	mg/m3	-6.4			-5.3	-5.5	-5.5	-5.2	-5.1	-5	-5.3	-5.1	-5.4	-5.4	-5	-5	-5	-4.9	-5
	Max	mg/m3	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
Particulates (normalised)	Exceeds daily ELV ?	[50 mg/m3]	N		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Min	mg/m3	0.4			0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.5	0.5	0.5	0.4	0.4	0.4	0.4
	Ave	mg/m3	0.4			0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5
	Max	mg/m3	0.5			0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.6	0.6	0.7	0.6	0.6
VOC (normalised)	30m ELV exceedances	[30 mg/m3]	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
	Min	mg/m3	0			0	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0
	Ave	mg/m3	0			1	0	0	0	1	0	0	0.3	0.6	0.5	0.2	0	0.1	0.1	0.3
VOC (normalised)	Max	mg/m3	0			4.5	0	0	0	12.9	0.1	0	0.6	1	0.9	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	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

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	24	24	22.5	21.5	24	22.5	24	15.5	24	24	24	24	614
	Gas	h	0	0	2	3	0	1	0	9.5	0	0	0	0	52.5
	Residue & gas	h	0	0	0.5	0.5	0	0	0	1	0	0	0	0	5.5
	Idle	h	0	0	0	0	0	0.5	0	0	0	0	0	0	59
Total flow	Residue	kg	7216.8	7241.5	6688.2	6310.3	7204.5	6678.5	7200	4842.8	9128.8	8639.3	8642.3	8640.7	210.1 tonnes
	Gas	m3	0	0	277.7	487.2	0	208.7	0	1466.2	0	0	0	0	7943 m3
	Air	m3	87792	90250	90616	90767	83216	84857	87870	108938	111302	107035	105074	110756	3072647 m3
NOx (normalised)	Min	mg/m3	160	148.3	103	94.7	155.3	126.7	149.7	82.3	95.7	97	94	94.3	
	Ave	mg/m3	205.2	202.7	212.2	218	189.3	188.1	172.8	159.2	118	120	117.5	115.3	
	Max	mg/m3	238	237.7	256	577.3	217	456.3	225	332.7	125.7	125	121	119.7	
	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	-5.3	-5.5	-5.5	-5.5	-5.2	-5.1	-5.2	-5.2	-5	-5	-4.8	-5.3	
	Ave	mg/m3	-5	-5.1	-5.2	-5	-5	-4.8	-4.9	-4.6	-4.6	-4.7	-4.3	-4.4	
	Max	mg/m3	0	0	0	0.8	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	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	
	Ave	mg/m3	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	
	Max	mg/m3	0.6	0.5	0.6	0.6	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	
	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	0.1	0.1	0.3	0	0	0	0.4	0.5	0.5	0.5	0.5	
	Ave	mg/m3	0.5	0.4	0.4	0.5	0.3	0	0.3	0.5	0.5	0.6	0.5	0.5	
	Max	mg/m3	0.5	0.5	0.5	0.5	0.5	0.4	0.6	0.8	0.5	1.1	0.8	0.6	
	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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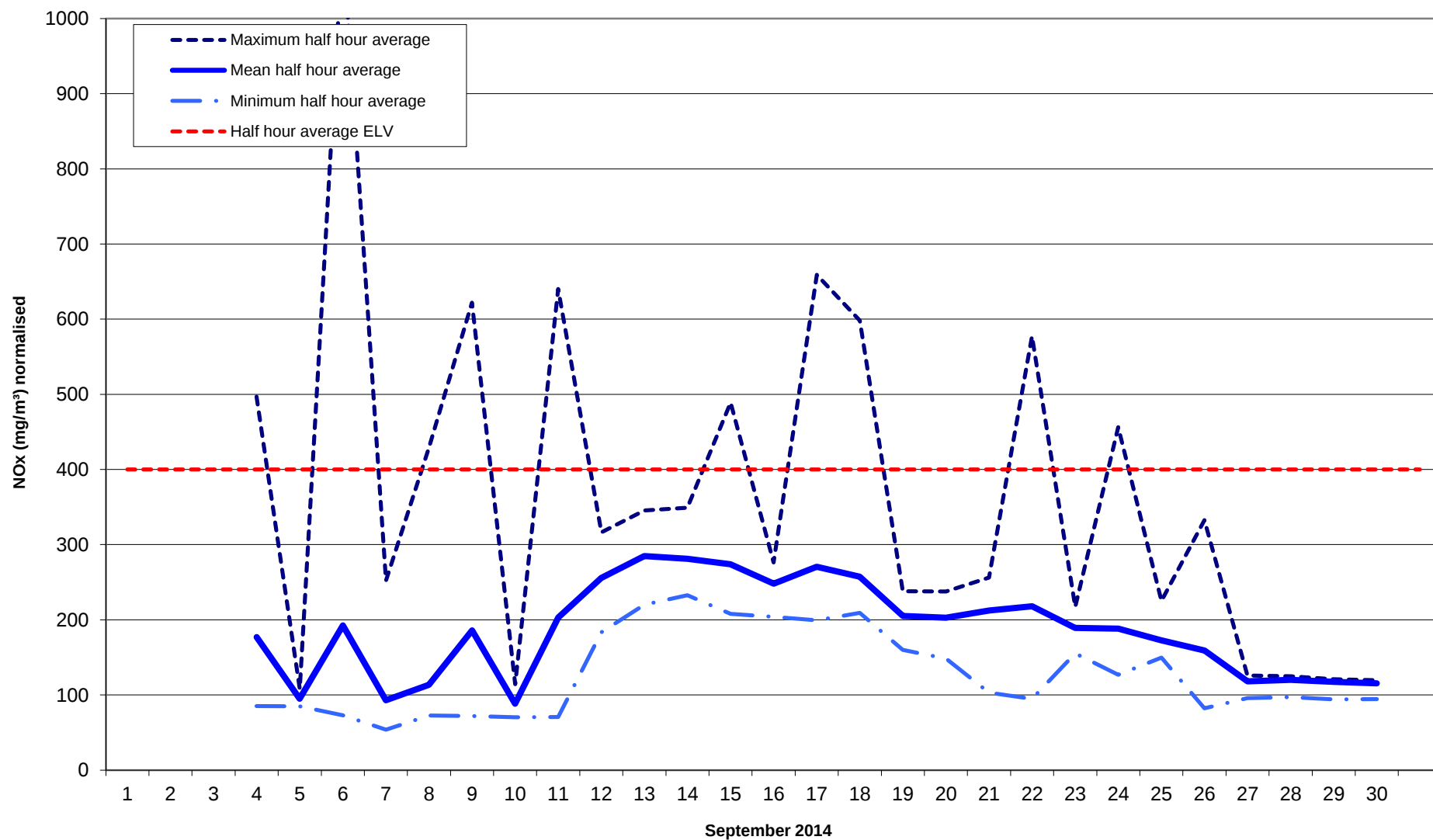
Last printed: 06/05/2015

Date of Issue: 21/12/2006

Related Document: BU2357/AP3634 A7

Created on: 21-12-2006

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Title: Reporting Incinerator CEM Carbon Monoxide

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Ref:

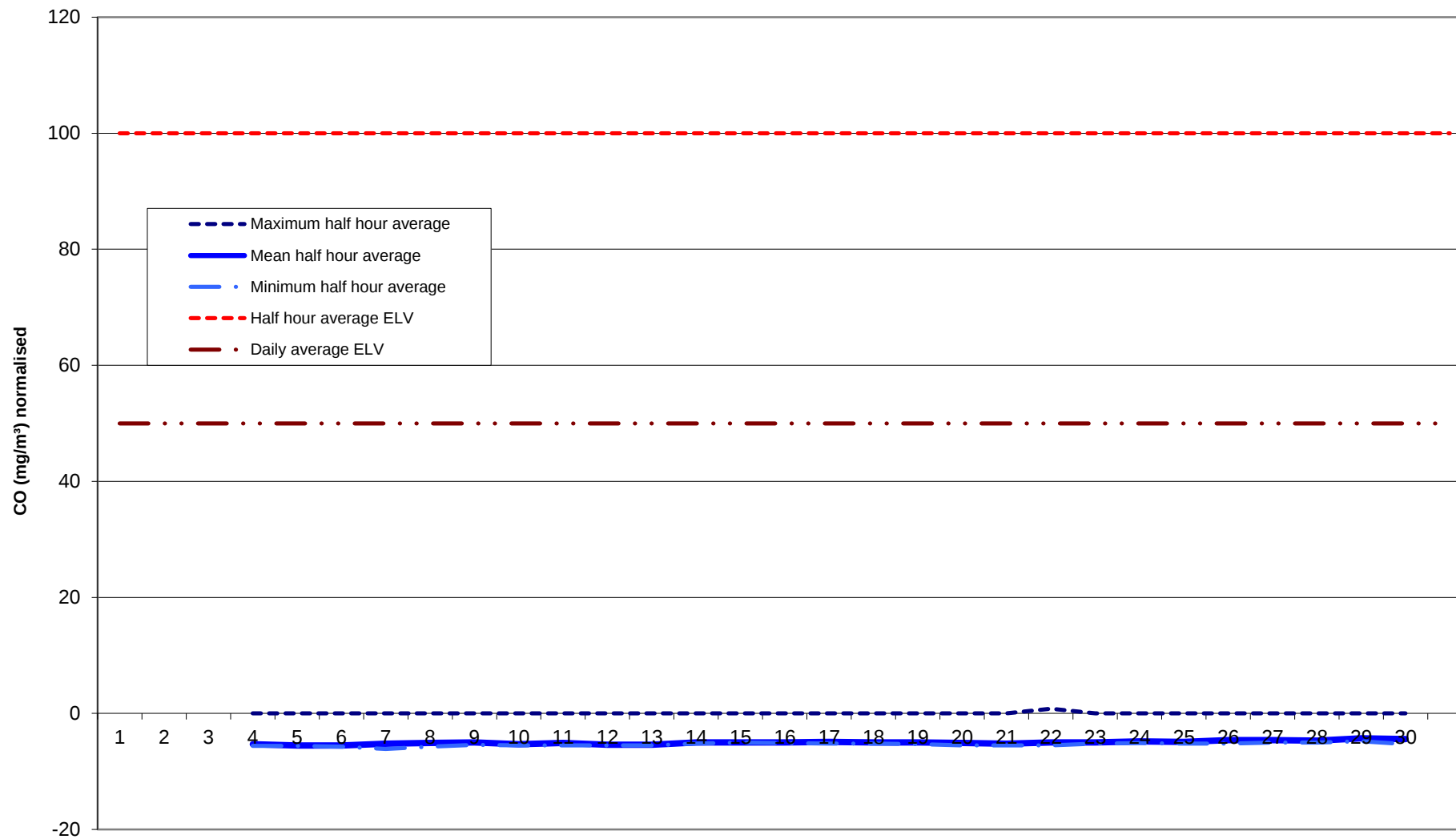
Last printed: 06/05/2015

Date of Issue: 21/12/2006

Related Document: BU2357/AP3634 A6

Created on: 21-12-2006

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September 2014



Title: Reporting Incinerator CEM Particulates

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Ref:

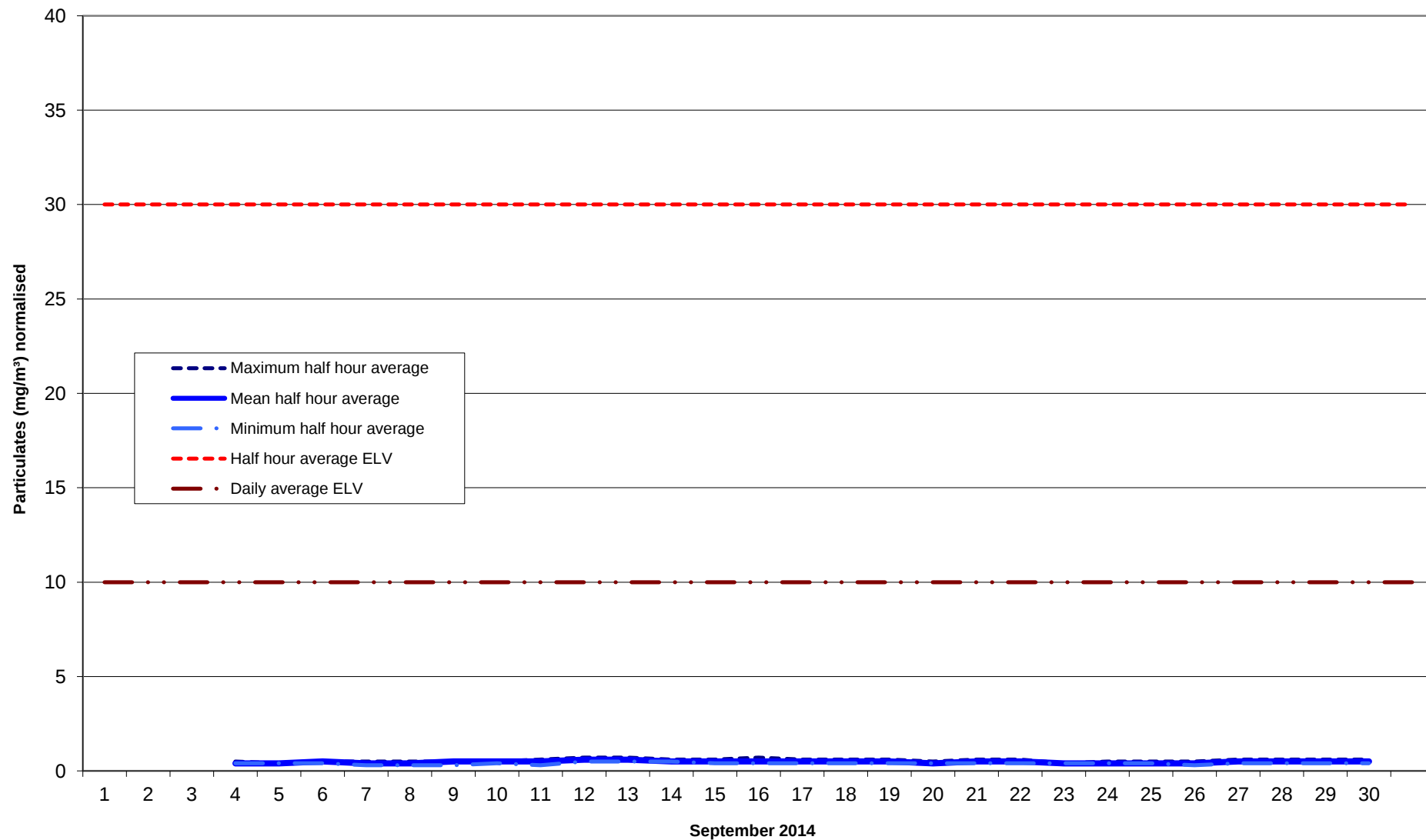
Last printed: 06/05/2015

Date of Issue: 21/12/2006

Related Document: BU2357/AP3634 A4

Created on: 21-12-2006

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Title: Reporting Incinerator CEM TOC

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 06/05/2015

Date of Issue: 21/12/2006

Related Document: BU2357/AP3634 A5

Created on: 21-12-2006

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