



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 16/03/2017

Date of Issue: 21/12/2006

Related Document: BU2357/AP3634

Created on: 21-12-2006

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Incinerator Summary Report - January 2017

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	24	24	24	24	23.5	5	9.5	7	22.5	0	9.5	5	10.5	9.5	6.5	6	24	24
	Gas	h	0	0	0	0	1	19	14.5	16.5	0	8.5	15	16	9.5	14	14	15.5	0	0
	Residue & gas	h	0	0	0	0	0.5	0	1	2.5	0	0	1	0	0.5	1	0	0	0	0
	Idle	h	0	0	0	0	0	0	1	3	1.5	15.5	0.5	3	4.5	1.5	3.5	2.5	0	0
Total flow	Residue	kg	12002.3	11997.8	12001.2	11999.3	11089.2	2024.5	3246.3	2481.5	11089	0	4410	2192	4874.3	4322	2440.7	2188.8	12140.2	12484.2
	Gas	m3	0	0	0	0	113	2618.8	1996	2146.5	1.7	1130.5	1867.7	2051	997.5	1653.7	1892.5	2069.8	0	0
	Air	m3	158380	157395	160795	159786	145123	118349	128860	139276	154018	228132	136320	132480	154572	133994	132894	136790	148755	145414
NOx (normalised)	Min	mg/m3	148	96.7	128	110.3	104.3	90.7	37.7	75.7	121.3		94.7	37.3	106.7	80	20.7	27.3	118	189.3
	Ave	mg/m3	203.1	150.7	207.4	141.4	159.2	249.5	569.4	311	306.8		351.6	247.7	408.2	329.8	306.7	397.3	273.4	243.1
	Max	mg/m3	261	205	269.3	192.3	214.7	692	1044	716	349		754.7	758.3	1128	834.7	822.7	852.3	1049.3	342.7
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	Y	N	N		N	N	Y	N	N	N	N	N	N
CO (normalised)	Min	mg/m3	-7	-6.6	-5.6	-6	-7.1	-6.7	-10	-6.7	-6.9		-8.8	-10	-6.8	-7.2	-8.8	-6.6	-7	-6.7
	Ave	mg/m3	-6.2	-5.8	-5.5	-5.6	-5.9	-6	-6.5	-5.7	-6.3		-6.6	-6.5	-6.3	-6.5	-6.2	-5.6	-6.5	-6.5
	Max	mg/m3	0	0	0	0	0	0	0	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	0	0	0	0
Particulates (normalised)	Min	mg/m3	6.4	6.5	6.7	6.8	1.3	4.2	2.7	1.2	2.3		2.6	1	2.3	2.2	1.8	1.5	6.9	7.4
	Ave	mg/m3	6.9	7.4	7.2	7.3	5.7	7.4	6.4	2.4	6.6		7.2	2.3	7	5.8	4.2	4.6	7.1	7.5
	Max	mg/m3	8.5	8.2	7.5	7.8	8	7.9	7.9	5.6	7.5		9.3	3.4	11	6.5	6.1	6.2	7.6	7.8
	30m ELV exceedances	[30 mg/m3]	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0
VOC (normalised)	Min	mg/m3	0	0	0.1	0	0	0	0.2	0.5	0		0.4	1.1	0.7	0.6	0.5	0.4	0.3	0.3
	Ave	mg/m3	0	0.1	0.5	0.2	0.1	0.1	1.1	1.6	0.2		0.7	2	1.8	1.3	3.1	1.9	1	0.5
	Max	mg/m3	0.2	0.5	0.5	0.5	0.6	0.5	5	5.2	1.1		1.7	4.1	2.7	2	7.2	3.5	2.8	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
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	31	TOTALS
Running time	Residue	h	24	22	16	18.5	10.5	19.5	18	2	3.5	10.5	17	12	5.5	437.5
	Gas	h	0	3.5	9	5.5	10.5	5	6	22	20.5	14	7.5	11.5	16.5	275
	Residue & gas	h	0	1.5	1	0	0	1	1	1	0.5	1	0.5	0	1.5	15.5
	Idle	h	0	0	0	0	3	0.5	1	1	0.5	0.5	0	0.5	3.5	47
Total flow	Residue	kg	12675.5	10634	7045.7	7994.2	4518.2	8470.3	7580.2	501.8	1059.7	3693.8	6357.2	4575.7	1961.3	200.1 tonnes
	Gas	m3	0	358.3	1118.8	798.8	1447.8	658.3	809	2628.5	2453	1820.8	1020.5	1523.5	2234.2	35410 m3
	Air	m3	148530	139699	123312	122381	135627	124882	126566	125766	119003	119376	118361	123606	133823	4332264 m3
NOx (normalised)	Min	mg/m3	210.3	164.7	40	51	74.7	77	94	97.3	259.3	103.7	71	65	74	
	Ave	mg/m3	298.4	478	219.1	399	372.2	237.8	273.8	256.1	567.3	281.4	218.2	226.2	419.1	
	Max	mg/m3	415.7	983.3	701.3	715	648.7	1087	655.7	359	819	472	542.3	646.3	924.3	
	Exceeds daily ELV ?	[400 mg/m3]	N	Y	N	N	N	N	N	Y	N	N	N	Y		5 exceedances
CO (normalised)	Min	mg/m3	-6.5	-6.8	-7.1	-6.7	-6.6	-7.4	-7.7	-7.1	-7.4	-7.4	-6.9	-7.4	-6.9	
	Ave	mg/m3	-6.5	-6.2	-5.6	-6.2	-5.9	-6.3	-6.3	-3.1	-5.9	-6.4	-5.9	-6.4	-6	
	Max	mg/m3	0	0	2.6	0	0	0.4	0	1.8	0.4	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 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	7.5	2.1	2.2	2.5	2.2	2.6	2.3	2.1	2.4	3.1	2.5	2.6	1.9	
	Ave	mg/m3	7.8	6.3	5.7	6	5.8	5.6	5.4	3	3.8	4.6	4.8	4.7	4.2	
	Max	mg/m3	8	7.5	6.7	7.1	6.6	6.3	6.1	4.6	4.6	5.2	5.3	5.2	6.8	
	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		0 exceedances
VOC (normalised)	Min	mg/m3	0.3	0.5	0.2	0.2	0.2	0.3	0	0	0.7	0.5	0.5	0.3	0.7	
	Ave	mg/m3	0.5	0.7	0.6	0.6	0.9	0.6	0.2	0	1	0.7	0.9	1	1.9	
	Max	mg/m3	0.6	2.4	1.3	1.4	1.9	1.5	1.3	0	1.5	2	1.7	3.4	4.2	
	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		0 exceedances

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