



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 16/01/2017

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Related Document: BU2357/AP3634

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Page: 1 of 2

Incinerator Summary Report - November 2016

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	15	0	2	0	14.5	23	24	24	23	24	20	24	24	19	24
	Gas	h	0	0	0	1.5	8	18	4.5	9.5	1	0	0	1	0	4.5	0	0	6	0
	Residue & gas	h	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5	0	0	1	0
	Idle	h	0	0	0	7.5	16	4	19.5	0.5	0	0	0	0	0	0	0	0	0	0
Total flow	Residue	kg	13196.5	13199	13098	7904.8	0	660.5	0	6514.3	11668.8	11992.3	11803	11010.5	11042.8	9448	12220.3	12000.8	8738.5	10875.3
	Gas	m3	0	0	0	162.7	937.8	2344.3	583	1185.7	92.3	0	0	104.5	0	535.8	0	0	699.7	0
	Air	m3	179706	178632	174477	180223	213173	129120	234332	133682	152448	160780	154609	154531	156802	153573	162399	154707	135921	147348
NOx (normalised)	Min	mg/m3	146.3	205	205.7	251.7		673		147.3	168	172.7	223.3	160	192.7	89	99.3	109.3	141.3	195.3
	Ave	mg/m3	194.1	292.1	339.7	295.5		853.4		308.9	306.2	291.8	285.4	243.7	259.5	202.5	120.6	132	278.5	289.7
	Max	mg/m3	248.3	405	482.7	363.7		1092.7		721	576.3	358.7	428	529	359.7	679	155.3	155.3	1006.7	437
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	Y		N	N	N	N	N	N	N	N	N	N	N	N
CO (normalised)	Min	mg/m3	-7.1	-7	-7	-7		-6.5		-6.5	-7	-7	-7	-7	-7	-7.1	-7	-7	-7	-6.9
	Ave	mg/m3	-7	-7	-6.7	-6.4		-2.7		-6.4	-6.5	-7	-6.6	-6.6	-6.9	-6.7	-6.7	-6.9	-5.9	-6.2
	Max	mg/m3	0	0	0	0		0		0	0	0	0	0	0	0	0	0	0.2	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)	Min	mg/m3	-1.3	-1.3	-1.3	-1.3		-1.3		-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
	Ave	mg/m3	-1.3	-1.3	-1.3	-1.3		-1.1		-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
	Max	mg/m3	0	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0
	30m ELV exceedances	[30 mg/m3]	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	0.5		0.9		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Ave	mg/m3	0.5	0.5	0.4	0.5		1.2		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5
	Max	mg/m3	0.5	0.5	0.5	1.2		1.4		1	0.5	0.5	0.5	0.5	0.5	2.1	0.5	0.5	1.1	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	12.5	0	0	0	0	0	21	23.5	19	23.5	480
	Gas	h	0	0	0	0	0	0	0	16	3.5	1	3.5	1	79
	Residue & gas	h	0	0	0	0	0	0	0	0	0.5	0.5	0	0.5	3.5
	Idle	h	0	0	11.5	24	24	24	24	8	0	0	1.5	0	164.5
Total flow	Residue	kg	10800.5	10669	5347.3	0	0	0	0	0	9590	11697.8	10384	12655.7	236.5 tonnes
	Gas	m3	0	0	6.8	0	0	0	0	2229.3	475.3	98.3	468.3	100.8	10025 m3
	Air	m3	145945	146064	170460	143645	38064	37833	30464	144558	133855	155292	153952	160986	4417581 m3
NOx (normalised)	Min	mg/m3	235.7	136	83.7						98.7	99	95.7	82.7	
	Ave	mg/m3	286.8	188.7	212.5						168.5	127	136.2	112.9	
	Max	mg/m3	334.7	362	278.3						643	280	644.3	236.7	
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N					N	N	N	N		1 exceedances
CO (normalised)	Min	mg/m3	-6.7	-6.4	-6.8						-6.8	-7	-6.9	-6.7	
	Ave	mg/m3	-6	-5.5	-5.6						-6.4	-6.6	-6.5	-6.3	
	Max	mg/m3	0	0	2.1						0	2.5	0	0	
	30m ELV exceedances	[100 mg/m3]	0	0	0						0	0	0	0	0 exceedances
	Exceeds daily ELV ?	[50 mg/m3]	N	N	N					N	N	N	N		0 exceedances
Particulates (normalised)	Min	mg/m3	-1.3	-1.3	-1.3						1.5	1.8	1.7	1.5	
	Ave	mg/m3	-1.3	-1.3	-1.3						1.9	2	2	2.2	
	Max	mg/m3	0	0	0						2.1	2.2	2.2	2.4	
	30m ELV exceedances	[30 mg/m3]	0	0	0						0	0	0	0	0 exceedances
	Exceeds daily ELV ?	[10 mg/m3]	N	N	N					N	N	N	N		0 exceedances
VOC (normalised)	Min	mg/m3	0.5	0.5	0.5						0.5	0.4	0.5	0.4	
	Ave	mg/m3	0.5	0.5	0.5						0.6	0.5	0.5	0.5	
	Max	mg/m3	0.5	0.5	1.1						1.1	1.3	0.7	0.6	
	30m ELV exceedances	[20 mg/m3]	0	0	0						0	0	0	0	0 exceedances
	Exceeds daily ELV ?	[10 mg/m3]	N	N	N					N	N	N	N		0 exceedances

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