



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

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Related Document: BU2357/AP3634

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Incinerator Summary Report - October 2016

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	4	24	8.5	0	16	24	22.5	24	24	23.5	22.5		15.5	21.5	11.5	24	22.5	22
	Gas	h	18.5	0	2.5	8.5	8	0	2	0	0	1	1.5		0	2.5	10.5	0	2	2
	Residue & gas	h	0.5	0	0.5	0	0	0	0.5	0	0	0.5	0		0	0	0.5	0	0.5	0
	Idle	h	2	0	13.5	15.5	0	0	0	0	0	0	0		8.5	0	2.5	0	0	0
Total flow	Residue	kg	1524.8	10898.8	4149.8	0	8166.8	13196.7	12043.5	13200.3	13199.7	12700.3	12272.2		7846	10772.3	5832.8	12477.7	11010.3	10929.7
	Gas	m3	2229.3	0	268.3	1099.2	1061.3	0	240.2	0	0	103.7	175		0	386.2	1148.2	0	241.7	239.2
	Air	m3	91279	137479	195198	190107	142172	168448	166249	170167	174390	163310	161133		96127	142179	123758	155392	148850	146264
NOx (normalised)	Min	mg/m3	238.7	121.3	137.7		161	186.7	133.7	145.3	144.7	175.3	111.7		92.7	155.3	134.3	124	96.3	170.3
	Ave	mg/m3	502.9	144.6	187.7		224.4	227.3	222.5	240.7	204.4	256.1	282		192.2	273.4	275.1	190.8	196.2	219.4
	Max	mg/m3	880.7	243.7	456.7		592	317.3	511.7	318	352.7	453.3	522.7		318	480.7	439.3	285	408.3	388.3
	Exceeds daily ELV ?	[400 mg/m3]	Y	N	N		N	N	N	N	N	N	N		N	N	N	N	N	N
CO (normalised)	Min	mg/m3	-7.2	-8.2	-7.9		-8	-7.5	-7.9	-7.5	-7.5	-7.3	-7.2		-7.5	-7.1	-7.3	-7	-7.2	-7
	Ave	mg/m3	-6.1	-7.4	-7.2		-7.4	-7.1	-6.9	-7	-7.1	-6.9	-6.8		-6.8	-6.6	-6.7	-7	-6.6	-6.9
	Max	mg/m3	0	0	0		0	0	0	0	0	0	1.3		0	0	0	0	1	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	10.9	10.7	9.8		-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	11.2	11.3	11.2		-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
	Max	mg/m3	11.3	11.3	11.3		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	0.2	0.5		0	0	0	0	0	0	0		0.3	0.6	0.8	0.7	0.8	0.8
	Ave	mg/m3	0.7	0.5	0.5		0.3	0	0	0	0	0	0		0.9	1	1	0.9	1.4	1
	Max	mg/m3	1.2	0.5	0.8		0.5	0	0	0	0	0	0		1	1.1	1.6	1	2.5	1
	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	31	TOTALS
Running time	Residue	h	24	21.5	0	0	0	0	0	0	0	22.5	22	3	23	426
	Gas	h	0	0	15.5	8	0	0	1	17	7.5	2	2.5	13	1	126.5
	Residue & gas	h	0	0	0	0	0	0	0	0	0	0.5	0.5	0	0	4
	Idle	h	0	2.5	8.5	16	24	24	23	7	16.5	0	0	8	0	171.5
Total flow	Residue	kg	11501.8	9710.5	20.3	35.5	0	0	0	0	0	10914.8	11035.2	1195.8	12602.8	217.2 tonnes
	Gas	m3	0	15	2071.7	1059.3	0	0	137	2265.3	1007.2	233	297.5	1800.5	133.5	16212 m3
	Air	m3	147920	146730	140689	73378	9233	14466	29531	165473	77497	166194	170689	159224	171776	4045303 m3
NOx (normalised)	Min	mg/m3	118.7	71.3								158.7	105.7	104	174	
	Ave	mg/m3	233.6	215.3								216.1	230.6	223.1	288.9	
	Max	mg/m3	318	294.3								408	479.7	451.7	734.7	
	Exceeds daily ELV ?	[400 mg/m3]	N	N							N	N	N	N		1 exceedances
CO (normalised)	Min	mg/m3	-7.1	-7								-7.6	-7.8	-7.2	-7.2	
	Ave	mg/m3	-6.9	-6.6								-7.1	-6.8	-5.1	-6.7	
	Max	mg/m3	0	0								0	0	0.6	0	
	30m ELV exceedances	[100 mg/m3]	0	0								0	0	0	0	0 exceedances
	Exceeds daily ELV ?	[50 mg/m3]	N	N							N	N	N	N		0 exceedances
Particulates (normalised)	Min	mg/m3	-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	
	Max	mg/m3	0	0								0	0	0	0	
	30m ELV exceedances	[30 mg/m3]	0	0								0	0	0	0	0 exceedances
	Exceeds daily ELV ?	[10 mg/m3]	N	N							N	N	N	N		3 exceedances
VOC (normalised)	Min	mg/m3	0.9	0.1								0.4	0.4	0.5	0.5	
	Ave	mg/m3	1	0.8								0.5	0.5	1.6	1	
	Max	mg/m3	1	1								0.5	1.1	2.9	2.5	
	30m ELV exceedances	[20 mg/m3]	0	0								0	0	0	0	0 exceedances
	Exceeds daily ELV ?	[10 mg/m3]	N	N							N	N	N	N		0 exceedances

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