



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

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Related Document: BU2357/AP3634

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Incinerator Summary Report - October 2018

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Running time	Residue	h	13	8	12	24	24	24	24	24	19	24	24	24	24	24	24	14	0	14.5	
	Gas	h	12.5	3.5	0	0	0	0	0	0	5.5	0	0	0	0	0	0	2.5	7	10	
	Residue & gas	h	2	0.5	0	0	0	0	0	0	0.5	0	0	0	0	0	0	0	0.5	0	0.5
	Idle	h	0.5	13	12	0	0	0	0	0	0	0	0	0	0	0	0	0	8	17	0
Total flow	Residue	kg	4556.9	2983.2	5815.7	11984.4	11985.4	11999.5	11999.7	11992	9108.4	11931.4	12003.9	12010.7	11993	12012.8	11988.4	6641.7	0	7123.1	
	Gas	m3	1459.8	397.7	31.3	0	0	0	0	0	629.5	0	0	0	0	0	0	333	786.4	1151.6	
	Air	m3	100330	47715	69464	133084	133035	146222	146318	150097	131636	146970	149086	153596	147081	145204	152075	175301	191057	129823	
NOx (normalised)	Min	mg/m3	83	0	172.3	0	209.5	182.8	233	301.3	224.2	79.8	233.8	200	209.5	0	0	0	0	0	
	Ave	mg/m3	163.5	124.6	217.7	344.9	237.3	267.3	343	320.6	307	246.1	264.7	282.1	319.4	171	0	49.4	15.2	15.2	
	Max	mg/m3	309.4	295.2	263.1	1300.6	274.5	294.8	442.7	361.8	586.2	323.6	307.6	339.4	383.3	371.1	0	355.4	301.4	301.4	
	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	-3	-2.4	-2.2	-2.5	-2.2	-2.1	-2.2	-2.2	-2.3	-2.4	-2.4	-2.4	-2.4	-2.4	0	-2.3	-0.7	-0.7	
	Ave	mg/m3	-1.3	-1.1	-2.1	-1.7	-2.2	-2.1	-2.1	-2.2	-2.1	-2.2	-2.3	-2.3	-2.4	-1.4	0	-0.3	0	0	
	Max	mg/m3	7.6	0	0	4.4	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	
Exceeds daily ELV ?	[50 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
Particulates (normalised)	Min	mg/m3	0	0	8.5	0	11.7	11.5	11.3	15.9	2.7	7.1	16.1	16.4	16.4	0	0	0	0	0	
	Ave	mg/m3	0	0	11.9	10.2	12.5	12.4	14	16.5	16.7	16.8	17.5	17.8	17.5	10.6	0	6.4	0	0	
	Max	mg/m3	0	0	12.8	14	13.2	13	18.7	17.5	22.8	21.5	19.3	20.7	18.8	18.6	0	40.7	0.9	0.9	
	30m ELV exceedances	[30 mg/m3]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	
Exceeds daily ELV ?	[10 mg/m3]	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N		
VOC (normalised)	Min	mg/m3	0	0	0.3	0	0.3	0.3	0.3	0.3	0.5	0.2	0.3	0.3	0.3	0	0	0	0	0	
	Ave	mg/m3	0	0	0.5	0.6	0.4	0.3	0.5	0.4	0.6	0.5	0.4	0.4	0.4	0.1	0	0.1	0	0	
	Max	mg/m3	0	0	0.6	1.4	0.6	0.5	0.5	0.5	0.8	0.7	0.4	0.6	0.4	0.4	0	0.8	0.8	0.8	
	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	24	24	24	24	23	24	18.5	23	22	20	24	24	9.5	628.5
	Gas	h	0	0	0	0	2	0	6.5	1	2.5	4	0	0	0	57
	Residue & gas	h	0	0	0	0	1	0	1.5	0	0.5	0	0	0	0	7
	Idle	h	0	0	0	0	0	0	0.5	0	0	0	0	0	14.5	65.5
Total flow	Residue	kg	12025	12004.9	12007.8	11994.2	10709.2	11752.7	8593.2	11386.9	10777.4	9980.5	12000.6	11836.3	4112.8	307.3 tonnes
	Gas	m3	0	0	0	0	236.6	0	724	130.3	277.7	473.1	0	0	0	6631 m3
	Air	m3	151282	153687	152896	154553	146441	152871	130715	142565	139936	133493	148070	148340	52836	4255779 m3
NOx (normalised)	Min	mg/m3	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Ave	mg/m3	130.9	0	0	0	2.9	0	7.1	1.2	0	1.2	0	0	0	
	Max	mg/m3	575.4	0	0	0	53.7	0	182.8	53.4	0	47.1	0	0	0	
	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	-1.7	0	0	0	-0.5	0	-0.5	-0.6	0	-0.5	0	0	0	
	Ave	mg/m3	-0.4	0	0	0	0	0	0	0	0	0	0	0	0	
	Max	mg/m3	0	0	0	0	2.7	0	0.5	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	0	0	0	0	0	0	0	0	0	0	0	0	
	Ave	mg/m3	0.7	0	0	0	0	0	0	0	0	0	0	0	0	
	Max	mg/m3	2.9	0	0	0	0.3	0	0.5	0.1	0	0.2	0	0	0	
	30m ELV exceedances	[30 mg/m3]	0	0	0	0	0	0	0	0	0	0	0	0	0	3 exceedances
Exceeds daily ELV ?	[10 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	N	12 exceedances	
VOC (normalised)	Min	mg/m3	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Ave	mg/m3	0.1	0	0	0	0	0	0.4	0	0	0	0	0	0	
	Max	mg/m3	0.5	0	0	0	0.2	0	14.4	0.9	0	0.1	0	0	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	

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