



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 - June 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	24	24	21	24	24	24	24	24	10.5	19	24	24	24	24
	Gas	h	0	0	0	0	0	0	3.5	0	0	0	0	0	10	5.5	0	0	0	0
	Residue & gas	h	0	0	0	0	0	0	0.5	0	0	0	0	0	0	0.5	0	0	0	0
	Idle	h	0	0	0	0	0	0	0	0	0	0	0	0	3.5	0	0	0	0	0
Total flow	Residue	kg	11996.2	11999	12001.3	12000.8	11970.5	11153.3	8630.3	9602.3	9600	9602.5	9601	9598.5	4267.5	7385	9600.7	9600.3	9600.3	9600.5
	Gas	m3	0	0	0	0	0	0	406	0	0	0	0	0	1285.2	608.8	0	0	0	0
	Air	m3	139636	136641	142428	143133	134951	125785	118647	113723	115635	113360	112734	111128	103489	110296	116225	115405	119579	115722
NOx (normalised)	Min	mg/m3	96.7	115.3	119	132	115	113.7		149	170.3	134.3	165.7	156	149.3	126	229.7	181.3	172.3	199
	Ave	mg/m3	138.4	149.2	151.8	165.1	150.8	165.4		176.3	194.4	174.5	200.9	191.9	166	227.1	298.7	238.3	220.9	239.5
	Max	mg/m3	173	178.7	185	195	193.3	216.3		206	221.3	208	229.7	225.3	187.3	613	339.3	294.7	253.3	273.7
	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	-6.4	-6.5	-6.5	-6.5	-7.3	-6.7		-6.5	-6.9	-7.7	-7.8	-7.5	-7.3	-7.1	-6.9	-7.5	-7.3	-6.5
	Ave	mg/m3	-6.1	-6.3	-6.2	-6.2	-6.8	-6.4		-6.4	-6.5	-6.7	-6.9	-6.6	-6.6	-6.5	-6.5	-6.6	-6.6	-6.4
	Max	mg/m3	0	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	0
Particulates (normalised)	Min	mg/m3	9.4	9.1	8.5	8.7	8.2	8.7		7.7	8.2	8.1	8.2	7.7	7.6	4.2	7.5	8.1	8.6	8.7
	Ave	mg/m3	9.7	9.5	8.8	8.9	8.6	9.1		8.1	8.5	8.4	8.4	8.2	7.9	7.1	7.9	8.5	8.9	9.1
	Max	mg/m3	10	9.9	9.1	9.7	9.3	9.4		8.6	8.8	8.7	8.8	8.5	8	7.9	8.4	8.8	9.3	9.5
	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	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	Ave	mg/m3	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	Max	mg/m3	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	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 ?			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	TOTALS
Running time	Residue	h	24	24	21	24	18.5	24	24	24	24	24	24	24	690
	Gas	h	0	0	2.5	0	5	0	0	0	0	0	0	0	26.5
	Residue & gas	h	0	0	0	0	0	0	0	0	0	0	0	0	1
	Idle	h	0	0	0.5	0	0.5	0	0	0	0	0	0	0	4.5
Total flow	Residue	kg	9602.2	9598.3	8340	9602.7	7354.8	9689.7	10264.3	10212.7	10122.7	10058.5	10062.7	10011.2	292.7 tonnes
	Gas	m3	0	0	329.3	0	567.3	0	0	0	0	0	0	0	3197 m3
	Air	m3	119964	122628	119790	112689	112737	114532	119591	119276	115051	109015	109431	112567	3575788 m3
NOx (normalised)	Min	mg/m3	193	212.3	198	103	98.3	105.3	72	90.7	97.7	77.3	76.3	82	
	Ave	mg/m3	243.7	251.7	284	163.2	169.7	137.2	117	124.8	119.3	99.3	96.5	102.6	
	Max	mg/m3	285.3	317.3	854.7	241.3	719.3	152	142.3	152.7	138.7	115.3	117	111.3	
	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	-6.5	-6.7	-6.6	-7	-7	-7	-7	-7	-7	-7	-7	-7	
	Ave	mg/m3	-6.5	-6.5	-6.4	-6.8	-6.5	-6.6	-7	-6.9	-6.6	-6.5	-6.8	-6.8	
	Max	mg/m3	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 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	8.4	8.2	4.1	8.3	5.6	8.6	11.2	11.3	8.7	9.1	8.6	8.1	
	Ave	mg/m3	8.7	8.4	8.4	8.6	8.3	9.2	11.3	11.3	10.2	9.5	9.1	8.6	
	Max	mg/m3	9.1	8.7	8.7	8.9	8.8	11.3	11.3	11.3	11.3	10.2	9.5	9.1	
	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	Y	Y	Y	N	N	N	N	3 exceedances
VOC (normalised)	Min	mg/m3	0	0	0	0.5	0.4	0.4	0.3	0.4	0.3	0.1	0.1	0.3	
	Ave	mg/m3	0	0	0.4	0.8	0.5	0.5	0.5	0.5	0.4	0.3	0.4	0.4	
	Max	mg/m3	0	0	1.7	1	0.5	0.5	0.5	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 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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