



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 - March 2021

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	24	22.5	24	24	24	12.5	12.5	24	12.5	24	24	21.5	24	24	24	24	24	24
	Gas	h	0	1.5	0	0	0	9.5	9.5	0	8.5	0	0	3	0	0	0	0	0	0
	Residue & gas	h	0	0	0	0	0	2	2	0	0	0	0	0.5	0	0	0	0	0	0
	Idle	h	0	0	0	0	0	4	4	0	3	0	0	0	0	0	0	0	0	0
Total flow	Residue	kg	9599.7	9020.6	9527.7	8372.5	8370.7	3937.8	3937.9	9594.3	4918.8	9580.8	9593.4	8464.1	9597	9583.5	9606.7	9569.4	9617.6	9574.1
	Gas	m3	0	181.6	0	0	0	1168.6	1168.6	0	1210.9	0	0	349.2	0	0	0	0	0	0
	Air	m3	110367	111452	112608	91964	91920	83866	83895	108621	122403	120516	119609	119533	121569	121766	121199	117300	119566	118431
NOx (normalised)	Min	mg/m3	120.8	128.2	163.5	224.8	124.6	111.8	66.9	152.4	182.2	211.8	142	108.4	117.4	98.8	95.7	66.9	95.7	114.6
	Ave	mg/m3	136	180.7	224	273.7	220.2	170.7	175.7	189.6	339.8	390.4	228	161.7	136.5	110.6	99.1	96.2	117.4	141.5
	Max	mg/m3	149.6	349.6	265.2	296.7	280.7	196.4	846.8	276.3	771.2	686.6	253.5	421	163.6	133.2	105.3	100.4	182.7	182.8
	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	-3.9	-3.9	-3.9	-3.8	-3.8	-3.7	-6	-3.8	-3.4	-3.3	-3.6	-3.9	-3.7	-3.7	-3.9	-3.9	-3.9	-3.9
	Ave	mg/m3	-3.1	-3	-2.9	-3.3	-3.7	-3.3	-3.1	-3.3	-2.7	-2.6	-2.7	-2.8	-2.9	-3	-3.2	-3.6	-3.6	-3.2
	Max	mg/m3	0	0	0	0	0	0	1.6	0	0	0	0	1.9	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	0
Particulates (normalised)	Min	mg/m3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.3
	Ave	mg/m3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
	Max	mg/m3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3
	30m ELV exceedances	[30 mg/m3]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VOC (normalised)	Min	mg/m3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Ave	mg/m3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2
	Max	mg/m3	0.4	0.4	0.3	0.3	0.3	0.3	1.7	1.3	0.6	0.5	0.3	2.3	0.2	0.2	0.2	0.2	0.2	0.2
	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	16.5	17	24	24	24	16.5	5.5	19.5	6	15	633.5
	Gas	h	0	0	0	7	6.5	0	0	0	5.5	19	7	18	7	102
	Residue & gas	h	0	0	0	0.5	1	0	0	0	0	3.5	2.5	1.5	0	13.5
	Idle	h	0	0	0	1	1.5	0	0	0	2	3	0	1.5	2	22
Total flow	Residue	kg	9427.3	8389.8	8362.1	5667.8	7025.8	9569.9	8550.5	8386	5599.4	1304.8	8132.9	1478.6	5765.5	240.1 tonnes
	Gas	m3	0	0	0	887.7	785.9	0	0	0	732.5	2505.3	849.3	2541.9	1024.6	13406 m3
	Air	m3	116267	103059	102441	103211	114140	116139	99304	97368	99085	128383	123108	118851	112764	3430703 m3
NOx (normalised)	Min	mg/m3	115	194.3	126.8	103.7	81.3	544.6	238.1	100.4	35	63.5	69.1	47.2	0	
	Ave	mg/m3	136.2	220.2	195	143.5	306.9	654.4	407.8	172.7	111	155.9	131.2	408.5	276.2	
	Max	mg/m3	209.1	252.5	254.1	448.1	753	748	827	367.9	137.6	316.4	764.8	812.8	1083.6	
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	Y	Y	N	N	N	Y	N	N	3 exceedances
CO (normalised)	Min	mg/m3	-3.9	-3.8	-3.8	-3.9	-3.9	-3.9	-3.8	-3.8	-3.8	-3.7	-4	-7.7	-3.7	
	Ave	mg/m3	-3.2	-3.1	-3.3	-1.5	-3	-3.1	-3.3	-3.5	-3.5	5.3	-2.9	-1.5	-2.6	
	Max	mg/m3	0	0	0	46	0	0	0	0	0	56	5.7	1.5	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.1	0	
	Ave	mg/m3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.6	
	Max	mg/m3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.8	
	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	N	0 exceedances
VOC (normalised)	Min	mg/m3	0.1	0.2	0.1	0	0	0.4	0.2	0.1	0.1	0.1	0.2	0.2	0	
	Ave	mg/m3	0.2	0.2	0.2	0.4	0.2	0.4	0.3	0.1	0.1	3.6	0.6	2.2	1.3	
	Max	mg/m3	0.2	0.2	0.2	9	0.9	0.5	0.5	0.2	0.2	25.8	2.6	4.5	3.5	
	30m ELV exceedances	[20 mg/m3]	0	0	0	0	0	0	0	0	0	1	0	0	0	1 exceedances
	Exceeds daily ELV ?	[10 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	N	0 exceedances

NOTES

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