



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 06/12/2017

Date of Issue: 21/12/2006

Related Document: BU2357/AP3634

Created on: 21-12-2006

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Incinerator Summary Report - November 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	24	24	24	24	24	24	23	16.5	24	24	24	24
	Gas	h	0	0	0	0	0	0	0	0	0	0	0	0	1	8	0	0	0	0
	Residue & gas	h	0	0	0	0	0	0	0	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	0	0	0	0	0	0
Total flow	Residue	kg	8175.1	8331.4	9604.9	9605	9598.9	9598.7	9576.7	9612.1	9705.2	10532.9	10561.3	10547.3	10072.4	7002.1	11342.1	11527.2	11288.8	11288.4
	Gas	m3	0	0	0	0	0	0	0	0	0	0	0	0	97.2	892.1	0	0	0	0
	Air	m3	101301	101736	110922	110842	116042	116075	114260	121805	121493	125187	124130	122674	130733	120055	136658	136307	137814	136534
NOx (normalised)	Min	mg/m3	199.6	200.2	147.9	129.9	153.6	123	194.6	213.6	234.8	126.5	218.6	234.9	108.2	74.9	72.4	62.8	83.3	126.8
	Ave	mg/m3	236.3	235.3	184.7	170.4	189.9	196.6	237.2	267.3	306.2	211.8	284.8	300.1	269.9	210.1	97.3	94.4	154.1	166.3
	Max	mg/m3	288.4	289.2	231.4	198.8	232.8	262.8	288.8	370.1	439	318.8	351.9	444.5	362.1	599.1	137	124	208.3	209
	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	-3.5	-3.8	-4	-4	-4	-3.7	-3.8	-3.8	-3.8	-3.7	-3.3	-2.7	-3.6	-3.5	-3.5	-3.6	-3.5	-3.5
	Ave	mg/m3	-3.4	-3.5	-3.7	-3.8	-3.5	-2.6	-2.4	-2.6	-2.6	-2.7	-2.1	-2	-3.3	-3.1	-3.4	-3.4	-3.1	-3.4
	Max	mg/m3	0	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	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	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.6	0.4	0.5	0.2	0.2	0.4	0.5	0.5	0.5
	Ave	mg/m3	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.6	0.7	0.6	0.7	0.7
	Max	mg/m3	0.7	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.6	1	0.7	0.7	0.8	0.8	0.8	0.7	0.8	0.9
	30m ELV exceedances	[30 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	
VOC (normalised)	Min	mg/m3	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.3	0.4	0.1	0.2	0.3	0	0	0
	Ave	mg/m3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0	0
	Max	mg/m3	0.6	0.4	0.4	0.3	0.5	0.5	0.4	0.7	0.6	0.5	0.5	0.5	0.5	0.7	0.7	0.7	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	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	TOTALS
Running time	Residue	h	24	24	24	24	24	24	24	24	24	11.5	22.5	6.5	680
	Gas	h	0	0	0	0	0	0	0	0	0	9	2	8.5	28.5
	Residue & gas	h	0	0	0	0	0	0	0	0	0	0.5	0.5	0	1.5
	Idle	h	0	0	0	0	0	0	0	0	0	4	0	9	13
Total flow	Residue	kg	11087.5	9587.5	9617.1	9608.7	9283.8	8398.1	8414	8412.9	8420.8	4005.5	7768.5	2218.8	274.8 tonnes
	Gas	m3	0	0	0	0	0	0	0	0	0	1024.4	202.6	1032.6	3249 m3
	Air	m3	139589	121635	115347	108684	100386	88305	97412	101089	98046	87286	96659	60305	3399309 m3
NOx (normalised)	Min	mg/m3	119.4	110.9	-1.9	105	167.8	174.3	207	165	166.7	49.5	-6.1	12.5	
	Ave	mg/m3	205	232	70.2	172.2	230.5	283.9	288.7	263	248.6	193.7	90.9	109.5	
	Max	mg/m3	295.1	387.4	317	230.9	337.2	398.1	382.7	320.4	325.3	242.3	895.9	317	
	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	-3.5	-3.4	-5.7	-3.4	-3.4	-3.3	-3.4	-3.4	-3.3	-3.3	-5.7	-5.7	
	Ave	mg/m3	-3.3	-3.2	-1.6	-3.1	-2.9	-3.2	-3.1	-3.2	-3.2	-3	-3.5	-2.3	
	Max	mg/m3	0	0	3.8	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	0.5	0.5	0	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.6	
	Ave	mg/m3	0.7	0.6	0.6	0.6	0.6	0.5	0.6	0.5	0.6	0.5	0.6	0.7	
	Max	mg/m3	0.8	0.9	1	1.1	0.8	0.7	0.7	1	0.9	0.6	0.8	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	N	N	N	N	N	N	N	0 exceedances	
VOC (normalised)	Min	mg/m3	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	
	Max	mg/m3	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 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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