



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 16/01/2017

Date of Issue: 21/12/2006

Related Document: BU2357/AP3634

Created on: 21-12-2006

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Incinerator Summary Report - December 2016

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	22.5	21.5	24	19.5	24	18.5	24	24	24	24	24	23.5
	Gas	h	0	0	0	0	0	0	1.5	3	0	5	0	4.5	0	0	0	0	0	0.5
	Residue & gas	h	0	0	0	0	0	0	0	1	0	0.5	0	0	0	0	0	0	0	0
	Idle	h	0	0	0	0	0	0	0	0.5	0	0	0	1	0	0	0	0	0	0
Total flow	Residue	kg	13200.3	13200.2	13199.3	13201.7	13201.2	13200.7	12239.3	11172.3	13441.3	10453.2	13201.2	10047.3	13202.8	13201.3	13201.7	13200.8	13200.5	12633.8
	Gas	m3	0	0	0	0	0	0	209.3	330	0	703.2	0	634	0	0	0	0	0	62
	Air	m3	167151	164827	163187	160720	159780	164257	170988	161542	176056	164320	167166	154502	158188	164456	162975	160212	156819	153883
NOx (normalised)	Min	mg/m3	94.3	99	169.3	223.7	200.7	179.3	77.7	105	104.7	89.7	100	89.7	77.7	89.7	87.3	93	98	94.3
	Ave	mg/m3	109.1	186	278.3	305.8	272.1	297.4	305.5	150.5	124.6	190.8	121.6	152.8	93.4	99.8	108.4	107.6	107.2	126.1
	Max	mg/m3	142.7	258	398.3	384	335.3	363	468.3	720.7	147	849	141	558.3	97	109	127.7	125.3	120	490
	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	-7	-7.1	-7	-7	-7	-7	-7	-7	-7	-6.7	-7	-7	-6.8	-6.9	-7	-7	-7	-7
	Ave	mg/m3	-6.8	-6.7	-6.8	-6.5	-6.5	-6.6	-6.7	-6.5	-6.8	-6	-6.3	-6.1	-6.5	-6.6	-6.7	-6.8	-6.7	-6.5
	Max	mg/m3	0	0	0	0	0	0	0	0	0	1.5	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
Particulates (normalised)	Min	mg/m3	1.9	2.8	4	3.9	5.6	5.6	3.6	5.4	5.8	3.3	6.3	5.3	5.1	5.2	5.3	5.4	6.7	5.9
	Ave	mg/m3	3	3.4	4.2	5.1	5.7	5.9	6.1	6.7	7.1	7.5	9.4	7.8	5.9	5.5	5.5	6	7	6.4
	Max	mg/m3	7.6	6.1	4.6	7	5.9	6.1	6.6	8.5	9.9	11.2	10.9	10.3	7.1	5.9	5.6	7.1	7.4	8
	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	0	0	0	0	0.3	0	0	0.5	0.4	0.4	0.4	0.2	0	0	0	0.3	0
	Ave	mg/m3	0.3	0.1	0.3	0.2	0.3	0.5	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.4
	Max	mg/m3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.5	1.1	0.5	1	0.6	0.5	0.5	0.5	0.5	0.9
	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	24	24	24	24	24	24	24	24	24	729.5
	Gas	h	0	0	0	0	0	0	0	0	0	0	0	0	0	14.5
	Residue & gas	h	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5
	Idle	h	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5
Total flow	Residue	kg	13201.5	13202.5	13200.7	13200.3	13200.8	12354.8	12001.7	11999.8	12000.8	12000.2	11998.7	12001.2	12000.2	390.8 tonnes
	Gas	m3	0	0	0	0	0	0	0	0	0	0	0	0	0	1939 m3
	Air	m3	160985	157941	160194	163540	168809	163401	166305	162782	159647	152677	156126	164049	166172	5033655 m3
NOx (normalised)	Min	mg/m3	80.3	88.3	84.7	91	110	100.3	155.7	184.7	153	106.7	135.7	113	130.3	
	Ave	mg/m3	98.8	94.7	91.5	163.9	241.5	186.8	249.4	265.3	187.7	142.5	197.9	161.4	188.8	
	Max	mg/m3	108.7	102.7	106.7	333.3	472.3	408.3	449.3	479.3	250	253	292.7	217	234	
	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	-7	-6.8	-7	-7	-7	-7	-7	-6.7	-7	-6.9	-7	-7	-7	
	Ave	mg/m3	-6.6	-6.5	-6.6	-6.7	-6.3	-6	-6.4	-5.8	-6.2	-6	-6	-6.9	-6.6	
	Max	mg/m3	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 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	5.7	5.5	5.5	5.5	5.3	5.2	5.4	5.4	6.2	6	6.1	6.8	6.7	
	Ave	mg/m3	5.9	5.6	5.6	5.8	5.9	5.8	6.9	6	6.6	6.4	7.3	7.2	7.2	
	Max	mg/m3	6	5.8	5.9	6.7	6.3	6.4	8.6	6.5	7.8	8.8	10.2	7.4	7.7	
	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	0	0	0	0.5	0.5	0.5	0.5	0.5	0.4	0	0	0	
	Ave	mg/m3	0.3	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.1	
	Max	mg/m3	0.5	0.5	0.5	0.5	0.5	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	0 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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