



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 01/04/2019

Date of Issue: 21/12/2006

Related Document: BU2357/AP3634

Created on: 21-12-2006

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Incinerator Summary Report - February 2019

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	7	7	22	22	20.5	24	17.5	7	24	24	24	10	2	5	17	23.5	5.5	16
	Gas	h	12	12	2	2	5	0	5	13.5	0	0	0	12	13	18.5	7.5	1	19	9
	Residue & gas	h	1	1	0	0	1.5	0	0	0.5	0	0	0	1	0.5	2.5	1.5	0.5	3.5	1
	Idle	h	6	6	0	0	0	0	1.5	4	0	0	0	3	9.5	3	1	0	3	0
Total flow	Residue	kg	2239.8	2240.1	7599.2	7599.6	6884	8393	6128.8	2323.3	9564.8	9584.1	9301.6	3766.5	556.6	1094.6	6070.7	9250.1	1765.5	6718.9
	Gas	m3	1436.2	1436.2	244.5	244.5	590.9	0	541.8	1524.2	0	0	0	1348.6	1489.7	2134.5	851.5	106.4	2071.7	1031.1
	Air	m3	132978	132871	113509	113509	116795	116409	119734	123159	133330	132113	132321	125962	135148	120820	129621	127777	121128	128498
NOx (normalised)	Min	mg/m3	0	0	0	70.7	0	134.9	182.1	0	0	0	0	0	0	0	0	0	0	0
	Ave	mg/m3	0	9	112.1	237.6	287.6	220.4	216	0	190.6	2.6	0	69.6	114.6	87.6	5.3	0	0	147.8
	Max	mg/m3	0	126	585.3	701.7	710.6	407.1	259.9	0	1077.2	123.8	0	938.3	458.5	626.9	65.8	0	0	1179.8
	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	0	0	-4.3	-5	-4.8	-4.6	-4	0	-3.9	-0.6	0	-3.8	-2.4	-3.2	-1.6	0	0	-4.9
	Ave	mg/m3	0	1.3	-2.3	-3.9	-2.7	-4.1	-3.9	0	-0.8	0	0	-0.4	-0.6	-0.7	-0.1	0	0	-0.7
	Max	mg/m3	0	18.8	0	1.2	16.9	0	0	0	0	0	0	0	0	1.7	0.4	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	0	0	0.2	0	0.4	0.5	0	0	0	0	0	0	0	0	0	0	0
	Ave	mg/m3	0	0	0.3	0.5	0.4	0.5	0.5	0	0.1	0	0	0	0.1	0.1	0	0	0	0.1
	Max	mg/m3	0	0.3	0.5	0.5	0.5	0.6	0.5	0	0.5	0.1	0	0.5	0.3	0.4	0.4	0	0	0.7
	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	0.4	0	0	0	0	0	0	0	0	0	0	0
	Ave	mg/m3	0	0.3	0	0.1	0.2	0.4	0.5	0	0.3	0	0	0.1	0.3	0.5	0.1	0	0	0.1
	Max	mg/m3	0	4.4	0	1.5	2.9	0.7	0.6	0	2.1	0.1	0	0.9	1.4	1.4	1.3	0	0	1
	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	TOTALS
Running time	Residue	h	24	24	24	16.5	4.5	12	12.5	24	24	18	461.5
	Gas	h	0	0	0	7.5	17	14	11.5	0	0	6	187.5
	Residue & gas	h	0	0	0	1.5	1	2.5	0	0	0	1	20.5
	Idle	h	0	0	0	1.5	3.5	0.5	0	0	0	1	43.5
Total flow	Residue	kg	10695.6	10280.7	9852.9	6577.6	1317.6	4735.7	5096.3	9601.4	9599.7	6629.3	175.5 tonnes
	Gas	m3	0	0	0	882.1	1950.5	1593.6	1347.6	0	0	653.1	21479 m3
	Air	m3	141375	139990	131935	123762	118639	119315	120588	127746	124835	122682	3526547 m3
NOx (normalised)	Min	mg/m3	0	0	0	0	0	0	0	0	0	0	
	Ave	mg/m3	0	0	0	3.1	68.3	37.4	30.2	0	0	70.7	
	Max	mg/m3	0	0	0	103.1	590.1	742.6	460.3	0	0	870.3	
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N	N	N	N	N	0 exceedances
CO (normalised)	Min	mg/m3	0	0	0	-2	-2.2	-2.5	-3.9	0	0	-3.4	
	Ave	mg/m3	0	0	0	-0.1	-0.3	-0.3	-0.2	0	0	-0.1	
	Max	mg/m3	0	0	0	0	0	0	0	0	0	9	
	30m ELV exceedances	[100 mg/m3]	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	0 exceedances
Particulates (normalised)	Min	mg/m3	0	0	0	0	0	0	0	0	0	0	
	Ave	mg/m3	0	0	0	0	0.1	0.1	0.1	0	0	0.1	
	Max	mg/m3	0	0	0	1	0.7	0.9	1.2	0	0	1.3	
	30m ELV exceedances	[30 mg/m3]	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	0 exceedances
VOC (normalised)	Min	mg/m3	0	0	0	0	0	0	0	0	0	0	
	Ave	mg/m3	0	0	0	0	0.6	0.2	0.1	0	0	0.7	
	Max	mg/m3	0	0	0	0.3	4.5	2.2	1	0	0	7.5	
	30m ELV exceedances	[20 mg/m3]	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	0 exceedances

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