



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 11/01/2018

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Related Document: BU2357/AP3634

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Incinerator Summary Report - October 2017

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	18	24	20.5	24	24	24	24	22	24	21	22.5	23.5	24	24	13	23.5	22.5	24
	Gas	h	5.5	0	4	0	0	0	0	2.5	0	3.5	2	1	0	0	12.5	0.5	2	0
	Residue & gas	h	0	0	0.5	0	0	0	0	0.5	0	0.5	0.5	0.5	0	0	2.5	0	0.5	0
	Idle	h	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Total flow	Residue	kg	10078.6	13413	11266	13438.2	13422.8	13426	13409.6	11844.9	13413.7	11304.6	11883.5	12015.5	11979.4	11714.2	5245.7	11693.1	9711.7	8656.9
	Gas	m3	662.8	0	466.2	0	0	0	0	299.4	0	365	221.6	112.1	0	20.5	1456.6	54.8	201.6	0
	Air	m3	141043	159073	147222	160344	152721	151603	150680	144432	158856	143897	141897	147382	142282	136458	107566	139291	116830	98757
NOx (normalised)	Min	mg/m3	82.6	78.8	78.9	50.8	55.7	53.3	59.2	67.2	77.7	120.9	119.5	72.1	63.5	52.6	47.8	65.3	97.7	103.1
	Ave	mg/m3	102.2	95.4	99.8	79	79	75.6	79.7	141.8	114.8	206.3	159	111.1	82.1	90.4	97.3	113.9	172.6	145.1
	Max	mg/m3	241.1	111.9	223.3	114	100.5	98.8	100.5	434.1	155.3	819.9	371.4	419.9	109.8	129.4	119.8	442.8	451.6	212.3
	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	-5.5	-5.6	-5.5	-5.4	-5.4	-5.2	-5.3	-5	-3.8	-3.9	-4.1	-3.7	-3.5	-3.5	-3.6	-3.9	-4	-3.8
	Ave	mg/m3	-4.3	-5.4	-5.1	-5.2	-5	-5	-4.4	-3.4	-3.8	-3.7	-3.8	-3.5	-3.4	-3.4	-3.1	-3.5	-3.7	-3.5
	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
Particulates (normalised)	Min	mg/m3	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5
	Ave	mg/m3	0.5	0.5	0.4	0.5	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.7	0.6	0.6
	Max	mg/m3	0.6	0.6	0.5	0.7	2	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.7	0.8	0.8	0.9	0.7	0.6
	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	0	0	0	0	0	0	0	0	0	0.3	0.2	0.3	0.1	0.1	0.1	0.2
	Ave	mg/m3	0.9	0.3	0	0	0	0	0	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3
	Max	mg/m3	1.9	0.8	0.1	0	0	0	0.1	0.7	0.4	0.4	0.6	0.8	0.4	0.4	0.6	0.5	0.6	0.5
	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	21.5	24	24	24	24	24	24	24	688
	Gas	h	0	0	0	0	0	2.5	0	0	0	0	0	0	0	60
	Residue & gas	h	0	0	0	0	0	0	0	0	0	0	0	0	0	5.5
	Idle	h	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5
Total flow	Residue	kg	8640.6	8653.4	8630.8	8378.1	8404.6	7471.7	8431.6	8407.6	8393.1	8138	8653.4	8092.3	8112.8	316325.4 tonnes
	Gas	m3	0	0	0	0	0	291.5	0	0	0	0	0	0	0	4152.1 m3
	Air	m3	103241	101858	102184	100522	104651	100433	99251	98122	99400	95777	101858	94952	99220	3841803 m3
NOx (normalised)	Min	mg/m3	158.9	133	144.7	175.4	176.1	184	151.7	177.6	167	158.6	176.1	115.8	167.7	
	Ave	mg/m3	184.9	166	190.7	204.6	220.7	227.3	181.9	213.6	196.5	208.6	220.7	198.4	244.6	
	Max	mg/m3	228.2	226.3	232.8	229.3	290.3	481.3	217.1	249.7	230.9	296.3	290.3	232.6	293.1	
	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	-3.8	-3.8	-3.7	-3.5	-3.5	-3.6	-3.5	-3.6	-3.5	-3.6	-3.7	-3.5	-3.5	
	Ave	mg/m3	-3.6	-3.5	-3.5	-3.4	-3.4	-3.4	-3.4	-3.4	-3.4	-3.4	-3.5	-3.3	-3.4	
	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	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4	
	Ave	mg/m3	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	
	Max	mg/m3	0.6	1	0.8	0.6	1.3	0.6	0.8	0.8	0.8	0.6	0.8	0.6	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
	Ave	mg/m3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.3	
	Max	mg/m3	0.3	0.3	0.3	0.4	0.3	0.4	0.5	0.3	0.2	0.4	0.4	0.6	0.3	
	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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