



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 24/07/2018

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Related Document: BU2357/AP3634

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Incinerator Summary Report - January 2018

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	6.5	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	20.5	24
	Gas	h	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	Residue & gas	h	2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0
	Idle	h	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total flow	Residue	kg	1747.1	11096.4	11419.3	11414.4	11414.3	12004.4	12008.2	11995.7	11873.8	11647	9623.6	9604.6	9596.3	9585.7	9599.9	9572.3	8025.6	9607.9
	Gas	m3	1875.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	447.2	0
	Air	m3	113129	140386	143935	139985	139962	144017	144055	148801	152257	146884	117417	120972	121031	126722	123601	119801	113582	114258
NOx (normalised)	Min	mg/m3	0	72.2	75.6	70.3	76.7	87.4	226.2	168.8	138.5	151.5	206.1	177.8	0	166.2	169.8	161.5	60.7	117.6
	Ave	mg/m3	359.1	189.9	279.3	180	115.2	250.3	357.2	274.1	233.6	226.4	298.4	246.7	1.7	233.9	281	262.8	202.7	194.9
	Max	mg/m3	996.1	902.4	523.2	429.7	138.4	796.7	456.4	390.6	286.2	268.2	406.8	278	83.7	305.9	318.1	351.4	514.8	247.9
	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	-1.9	-2.3	-2	-2	-2.1	-2	-1.8	-1.9	-1.8	-2.4	-2.5	-2	-0.5	-2.1	-1.9	-2.5	-2.7	-3
	Ave	mg/m3	-0.2	-1.9	-1.9	-1.9	-2	-1.8	-1.8	-1.8	-1.7	-1.8	-1.7	-1.6	0	-1.7	-1.6	-1.7	-1.5	-2.1
	Max	mg/m3	4.8	0	0	0	0	0.7	0	0	0	0	0	0	0	0	0	0	10	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	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.3	0.4	0.4	0	0.5	0.3	0.5	0.5	0.9
	Ave	mg/m3	0.3	0.6	0.5	0.6	0.5	0.5	0.5	0.6	0.7	0.7	0.6	0.6	0	0.8	0.8	0.9	1.7	7.2
	Max	mg/m3	0.5	0.9	0.6	1.1	0.6	0.7	0.6	1.5	0.9	0.9	1.4	2.6	0.2	1.9	3.1	4.3	5.4	12.3
	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	1.9	1.8	1.7	1.6	1.3	1.5	1.5	1.6	0.4	0	0.1	0	0	0	0	0	0.4
	Ave	mg/m3	13.2	5	3	2.1	1.8	2	2.2	2.1	1.9	1.8	0.9	0.1	0	0.1	0.1	0.1	0.3	0.4
	Max	mg/m3	39.1	16.1	6.8	3.7	2	3.1	2.6	2.5	2.3	2.4	2.2	0.1	0	0.1	0.1	0.1	0.6	0.4
	30m ELV exceedances	[20 mg/m3]	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exceeds daily ELV ?	[10 mg/m3]	Y	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	10	0	0	0	14	24	24	24	24	24	24	627
	Gas	h	0	0	1.5	0.5	10	15	10	0	0	0	0	0	0	57
	Residue & gas	h	0	0	0.5	0	0	0	0	0	0	0	0	0	0	3.5
	Idle	h	0	0	13	23.5	14	9	0	0	0	0	0	0	0	63.5
Total flow	Residue	kg	9576.1	8449.2	3376.5	0	0	0	6337.9	10822.1	10788.9	10777.8	10817.3	10826.9	10834.2	274.4 tonnes
	Gas	m3	0	0	170.2	120.1	1152.3	1770	1160.9	0	0	0	0	0	0	6696 m3
	Air	m3	114369	101712	168704	173277	194957	217551	120441	142751	146717	141442	137264	135518	136172	4301671 m3
NOx (normalised)	Min	mg/m3	157.4	183.4	143.5				199.4	135.8	191.6	270.4	109.4	76.1	131.2	
	Ave	mg/m3	221.6	261.7	252.3				238.6	260.4	278.8	323.6	232.2	143.2	154.2	
	Max	mg/m3	252	365.3	290.5				411.7	422.4	342.6	384.1	403.3	178.1	181.9	
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N			N	N	N	N	N	N	N	N	0 exceedances
CO (normalised)	Min	mg/m3	-2.6	-3.1	-2.6				-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.9	
	Ave	mg/m3	-1.7	-2.3	-1.7				-1.7	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	
	Max	mg/m3	0	0	3				0	0	0	0	0	0	0	
	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	N	0 exceedances
Particulates (normalised)	Min	mg/m3	6.7	8.6	4.5				0.4	0.5	0.6	0.6	0.6	0.3	0.4	
	Ave	mg/m3	9.2	9.7	9				0.6	0.6	0.7	0.8	0.6	0.6	0.6	
	Max	mg/m3	10.6	13.1	9.7				0.7	0.7	1	1.1	0.8	0.8	0.7	
	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	N	0 exceedances
VOC (normalised)	Min	mg/m3	0.4	0.3	0.4				0.4	0.4	0.4	0.4	0.3	0.2	0.3	
	Ave	mg/m3	0.4	0.4	0.4				0.6	0.4	0.4	0.4	0.4	0.3	0.4	
	Max	mg/m3	0.6	0.5	0.4				0.8	0.5	0.4	0.4	0.5	0.3	0.4	
	30m ELV exceedances	[20 mg/m3]	0	0	0				0	0	0	0	0	0	0	5 exceedances
	Exceeds daily ELV ?	[10 mg/m3]	N	N	N			N	N	N	N	N	N	N	N	1 exceedances

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