



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 01/07/2019

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Related Document: BU2357/AP3634

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Incinerator Summary Report - June 2019

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	23	24	24	24	24	24	22.5	24	24	24	23	24	24	24	24	24	24	23.5
	Gas	h	1.5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1
	Residue & gas	h	0.5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.5
	Idle	h	0	0	0	0	0	0	1.5	0	0	0	0	0	0	0	0	0	0	0
Total flow	Residue	kg	7227.6	7685.2	8391.6	8396.9	8397.7	8397.7	7873.2	8401.9	8405.6	8385.9	7877.2	8385.2	8411.6	8379.3	8412	8543.5	9768.1	10260.6
	Gas	m3	149	0	0	0	0	0	0	0	0	0	191.2	0	0	0	0	0	0	105
	Air	m3	104936	103697	106941	106991	103286	103322	101240	114799	110958	99896	99484	106572	108600	113057	112730	115141	130105	145516
NOx (normalised)	Min	mg/m3	0	0	166.4	144.6	0	175.4	203.1	201.8	203.7	219.3	0	0	180.9	174.8	178.6	141.4	86.9	0
	Ave	mg/m3	99	186.8	228.8	218.2	222	256.9	266.9	293.6	303	328.1	185	43.2	266.8	274.5	233.7	209.4	125.5	103.4
	Max	mg/m3	235.2	297.5	286.4	261.8	279.4	281.7	309.1	328.2	337.7	360.5	351.4	397.7	290.1	323.5	454.8	255.7	154.5	381.6
	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	-6	-6.7	-7.6	-7.8	-7.5	-7.1	-6.8	-6.8	-6.8	-6.9	-7.2	-5.9	-6.2	-6.8	-7	-6.8	-6.4	-6.6
	Ave	mg/m3	-2.6	-4.3	-6.3	-6.7	-5.7	-6.2	-5.9	-5.9	-5.8	-5.8	-4.1	-0.8	-5.6	-5.8	-5.9	-5.8	-6.1	-3.3
	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	0	4.8	4.1	0	4.1	4.3	4.6	4.1	4.1	0	0	4	3.7	3.8	3.7	4.8	0
	Ave	mg/m3	2.2	3.4	5.2	5	4.5	4.9	5	4.9	4.9	4.9	3.2	0.6	4.6	4.4	4.3	4.5	5.5	3.5
	Max	mg/m3	5.4	5.1	6.3	5.8	6.5	5.8	5.8	5.3	5.9	6	5.8	4.8	5.4	5.3	5	6	6.7	8.2
	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	0.1	0.1	0	0.2	0.1	0.2	0.2	0.2	0	0	0.3	0.3	0.2	0	0	0
	Ave	mg/m3	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0	0.3	0.3	0.3	0.2	0	0.1
	Max	mg/m3	0.5	0.3	0.3	0.3	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0	0.4
	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	23.5	21	24	24	12.5	0	677
	Gas	h	0	0	0	0	0	0	1.5	3	0	0	2	0	11
	Residue & gas	h	0	0	0	0	0	0	1	0	0	0	0	0	3
	Idle	h	0	0	0	0	0	0	0	0	0	0	9.5	24	35
Total flow	Residue	kg	10961.4	11011	10994.2	10782.8	10793.9	10802.1	10334.5	9295.9	10788.4	10784.8	5540.9	0	263.7 tonnes
	Gas	m3	0	0	0	0	0	0	128	365.1	0	0	261.4	0	1200 m3
	Air	m3	149581	144054	144825	140698	141475	140911	135490	137278	145382	146359	106863	18324	3538512 m3
NOx (normalised)	Min	mg/m3	0	0	70.2	26.1	149.6	139.1	80.2	0	0	55.5	34.2		
	Ave	mg/m3	0	120.3	343.7	160.2	206.6	328.1	167.2	42	211.1	158	147.6		
	Max	mg/m3	0	311.1	696.2	355.4	269.5	512	514.7	145.3	454.4	348.5	289.5		
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N	N	N	N	N	N		0 exceedances
CO (normalised)	Min	mg/m3	0	-7.4	-7.4	-7.4	-7.3	-7.3	-7.4	-7.3	-7.1	-7.4	-6.2		
	Ave	mg/m3	0	-3.7	-6	-4.1	-6.5	-6.4	-6.1	-2.3	-3.6	-4.4	-3.9		
	Max	mg/m3	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 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	0	0	2.1	0.7	5.2	3.7	4	0	0	2.5	1.5		
	Ave	mg/m3	0	3.9	6.3	4.5	7.2	7.2	7.4	2.4	3.7	4.7	4.1		
	Max	mg/m3	0	8.2	8.4	8.9	8.6	9.8	14.4	7.8	7.2	7.7	6.2		
	30m ELV exceedances	[30 mg/m3]	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		0 exceedances
VOC (normalised)	Min	mg/m3	0	0	0.1	0	0.3	0.2	0.2	0	0	0.1	0		
	Ave	mg/m3	0	0.2	0.4	0.3	0.4	0.4	0.4	0.1	0.2	0.2	0.1		
	Max	mg/m3	0	0.4	0.6	0.6	0.7	0.6	0.6	0.4	0.5	0.4	0.5		
	30m ELV exceedances	[20 mg/m3]	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		0 exceedances

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