



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

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Related Document: BU2357/AP3634

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Incinerator Summary Report - January 2021

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	23.5	23.5	24	24	24	24	24	16.5	23	24	24	24	24	17.5	20.5	
	Gas	h	0	0	0	0.5	0.5	0	0	0	0	0	7	1	0	0	0	0	5.5	3.5	
	Residue & gas	h	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0	0	0
	Idle	h	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Total flow	Residue	kg	9601.4	9285.5	8968.6	8272	8272.7	8637.5	8637.1	8623	8654	8626.1	5770.3	8500.9	8394	8394.6	8379.5	8415	6137.1	8157.9	
	Gas	m3	0	0	0	116.1	116.1	0	0	0	0	0	859	143.4	0	0	0	0	761.6	508	
	Air	m3	109344	103789	102255	99553	99534	99628	99657	99469	102703	105628	103181	107235	100402	92698	100337	100542	103910	119775	
NOx (normalised)	Min	mg/m3	70.3	72.1	89.7	133.9	107.5	46.2	123	208.1	116.6	121.3	105.6	72.4	83.1	78.1	75.8	79.7	79.3	61	
	Ave	mg/m3	118.4	111.3	167.9	165	169.4	123.2	249.6	277.2	188.3	191.2	213.5	108.5	121	123.3	119.5	118.7	116.7	89.5	
	Max	mg/m3	186.6	127	294.1	207.3	307.8	434.3	396.3	346	219.7	218.1	417.9	139.9	134.2	138.5	129.7	124.3	154.3	101.8	
	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	-4	-3.9	-3.4	-3.6	-4	-4.8	-3.8	-3.7	-3.7	-3.1	-3.4	-3.4	-3.5	-3.7	-3.8	-3.4	-3.4	-4	
	Ave	mg/m3	-3.7	-3.1	-2.8	-2.8	-3.3	-3.3	-3	-3	-2.8	-2.6	-1.9	-2.7	-2.7	-3.2	-2.9	-2.9	-2.7	-3.6	
	Max	mg/m3	0	0	0	0	0	0.3	0	0	0	0	22.4	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	
Exceeds daily ELV ?	[50 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
Particulates (normalised)	Min	mg/m3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
	Ave	mg/m3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
	Max	mg/m3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
	30m ELV exceedances	[30 mg/m3]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Exceeds daily ELV ?	[10 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
VOC (normalised)	Min	mg/m3	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.4	0.2	0.2	0.1	0.1	0.1	0.2	
	Ave	mg/m3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.5	0.9	0.4	0.5	0.3	0.1	0.1	0.4	
	Max	mg/m3	0.2	0.3	0.2	0.2	0.4	1.2	0.7	0.5	0.3	0.4	4.3	2	0.6	0.8	0.9	0.2	0.2	0.6	
	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	1.5	0	0	8	5	8.5	18	12.5	21	21	15.5	7.5	555
	Gas	h	0	17	0	3	15	19	15	6	11.5	3	2.5	8	12.5	130.5
	Residue & gas	h	0	1	0	0	0.5	0	0	0	0.5	0.5	0	1	1.5	5.5
	Idle	h	0	6.5	24	21	1.5	0	0.5	0	0.5	0.5	0.5	1.5	5.5	64
Total flow	Residue	kg	9599.5	340.8	0	0	2816.2	1694.6	3093.6	6258.6	4191.2	8264.8	8025.1	5353.2	1939.8	201.3 tonnes
	Gas	m3	0	2322	0	375.2	2026.9	2636.7	2105	832.7	1546.3	421.5	315.3	1074.9	1663.4	17824 m3
	Air	m3	118165	88976	13115	42724	130547	98391	102343	103699	108869	114943	100686	106388	114594	3093081 m3
NOx (normalised)	Min	mg/m3	31.1	53.7			108.5	46	95.5	74.8	70.4	92.6	100.1	97.1	73.4	
	Ave	mg/m3	93.5	241.3			143.4	97.7	133	115.9	126.9	111.7	397.4	239	379.5	
	Max	mg/m3	339.2	517			422.7	113.3	440.2	232.5	372.4	333.2	612.4	446.4	780.1	
	Exceeds daily ELV ?	[400 mg/m3]	N	N			N	N	N	N	N	N	N	N	N	0 exceedances
CO (normalised)	Min	mg/m3	-3.9	-3.3			-3.7	-4.7	-5.6	-3.7	-3.2	-4	-3.3	-3.8	-3	
	Ave	mg/m3	-3.2	-2			-3.2	-3.6	-3.6	-2.5	-1.6	-3.5	-2.9	-3	-2.2	
	Max	mg/m3	0	0			0	0	0	19	22.4	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	0.1	0.3			0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.2	
	Ave	mg/m3	0.3	0.3			0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
	Max	mg/m3	0.4	0.3			0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.4	
	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	0.1	0.1			0.3	0.3	0	0	0.4	0.4	0.3	0.3	1.6	
	Ave	mg/m3	0.2	1.2			0.4	0.4	0.1	0.2	0.9	0.6	0.5	0.8	3.7	
	Max	mg/m3	0.3	2.2			0.6	0.4	0.4	5.2	4.1	1.1	0.6	1.3	6.2	
	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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