



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 - December 2018

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	17	20.5	19	24	24	15.5	15.5	4.5	14.5	17	24	24	19.5	4	17	24	24	20.5
	Gas	h	6.5	3.5	4.5	0	0	7.5	7.5	18	9	7.5	0	0	5.5	18.5	6.5	0	0	4
	Residue & gas	h	0	0	0	0	0	1	1	1.5	0	0.5	0	0	1	3	0	0	0	0.5
	Idle	h	0.5	0	0.5	0	0	2	2	3	0.5	0	0	0	0	4.5	0.5	0	0	0
Total flow	Residue	kg	8884.1	11073.4	9020.3	10797.6	10796.6	7736	7743.2	1626.5	6315.2	7196.5	11771.3	11998.1	9159.5	991.5	6547.7	9623	10738.9	9408
	Gas	m3	803.6	401.3	559.3	0	0	895	895	2050.3	1104.8	928.8	0	0	640.5	2109.1	757.8	0	0	478.7
	Air	m3	155230	161853	143083	148955	149017	147526	147548	126912	125357	124986	147878	143977	131662	115760	123970	125041	142705	138608
NOx (normalised)	Min	mg/m3	0	0	0	186.7	215.5	0	0	0	0	0	72.2	71.1	41.3	36.2	0	240.2	117.5	12.9
	Ave	mg/m3	3.7	0	430.2	258.5	265.3	269.2	41.8	42.3	53	95.7	248.3	220.2	158.4	207.9	359.2	307	251.5	126.6
	Max	mg/m3	64.6	0	1213.7	309.5	340.6	407.3	624.4	136.2	618.7	610.9	701.5	716.1	324.6	533.3	1099	384	844.9	243.5
	Exceeds daily ELV ?	[400 mg/m3]	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CO (normalised)	Min	mg/m3	0	0	-2.4	-2.4	-2.4	-2.4	-1.4	-1.7	-2	-2.1	-2.4	-2.5	-2.5	-1.4	-2.1	-2.1	-2.3	-2.4
	Ave	mg/m3	0	0	-1.4	-2.3	-2.3	-2	-0.1	-0.4	-0.1	-0.3	-1.5	-1.6	-1	2.5	-1.9	-2.1	-2.1	-1.8
	Max	mg/m3	0	0	0	0	0	0	0	0.5	0	0	1.4	0	13.8	11.8	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	0	3.8	3.8	0	0	0	0	0	2.2	1.7	0.3	0.2	0	4.7	4.9	0.4
	Ave	mg/m3	0	0	2.6	4.1	4.2	3.4	0.4	0.6	0.6	0.9	4.2	4.6	4.4	1.9	5.6	5	5.4	4.6
	Max	mg/m3	0.4	0	4.5	4.7	4.6	4.1	9.4	4.5	9.1	5.5	6.8	7.4	9.9	11.6	9.6	5.4	6.4	6.3
	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ave	mg/m3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Max	mg/m3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	15.5	22	20	15	24	22.5	24	24	24	22	24	24	613.5
	Gas	h	0	7	2.5	3	9	0	1.5	0	0	0	2.5	0	0	124
	Residue & gas	h	0	0	0.5	0.5	0.5	0	0	0	0	0	0.5	0	0	10.5
	Idle	h	0	1.5	0	1.5	0.5	0	0	0	0	0	0	0	0	17
Total flow	Residue	kg	12012.8	7394.2	10301.3	9099	7161.9	11971	10769.2	11999.2	12000.4	11986.1	10750.5	12000.9	11487.8	290.4 tonnes
	Gas	m3	0	837.6	276.7	340.9	1036	0	179.6	0	0	0	302.1	0	0	14597 m3
	Air	m3	159830	142089	152952	150949	132799	158640	153682	162652	166436	166274	157446	163004	154191	4521010 m3
NOx (normalised)	Min	mg/m3	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Ave	mg/m3	89	40.3	0	2.2	11.7	0	0.3	0	0	0	22.5	0	0	
	Max	mg/m3	344.6	626.6	0	87.2	215.9	0	11.7	0	0	0	531.5	0	0	
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	N	1 exceedances
CO (normalised)	Min	mg/m3	-2	-1.7	0	-1	-1.9	0	0	0	0	0	-0.7	0	0	
	Ave	mg/m3	-0.6	-0.2	0	0	0.4	0	0.1	0	0	0	0	0	0	
	Max	mg/m3	0	0.3	0	0	14.7	0	3.7	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	0	0	0	0	0	0	0	0	0	0	0	0	
	Ave	mg/m3	1.5	0.3	0	0	0.1	0	0	0	0	0	0	0	0	
	Max	mg/m3	4.9	3.6	0	0.3	2.6	0	0.1	0	0	0	1.2	0	0	
	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	0	0	0	0	0	0	0	0	0	0	0	0	
	Ave	mg/m3	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Max	mg/m3	0	0	0	0	0	0	0	0	0	0	0	0	0	
	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

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