



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 - August 2018

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	24	24	24	24	22	24	24	24	24	24	17.5	19	0.5	0	0
	Gas	h	0	0	0	0	0	0	0	2.5	0	0	0	0	0	8	6	5	0	0
	Residue & gas	h	0	0	0	0	0	0	0	0.5	0	0	0	0	0	1.5	1	0.5	0	0
	Idle	h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	24	24
Total flow	Residue	kg	13186.2	13218.1	13202.2	10349	10332.3	9837.2	9837	8874.4	10196.3	10899.4	12010.5	11296.4	8418.6	5842.6	6415.8	134.9	0	0
	Gas	m3	0	0	0	0	0	0	0	233.6	0	0	0	0	0	896.2	738.8	534.5	0	0
	Air	m3	171061	169536	169059	127837	127604	118744	118718	117518	124112	134223	150045	137950	104490	96589	92586	129053	97128	35155
NOx (normalised)	Min	mg/m3	14.9	15	15	14.2	14.2	14.3	14.1	12.8	14.4	14	14.2	13.5	13.4	11.8	13.2	15.3		
	Ave	mg/m3	15.2	15.1	15.2	14.8	14.4	14.4	14.3	14.3	14.5	14.3	14.5	14.4	13.6	13.7	14.9	15.3		
	Max	mg/m3	15.5	15.3	15.4	15.7	14.7	15.8	16.5	14.6	16.2	15.3	14.8	16	15.2	15.9	18.3	15.3		
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
CO (normalised)	Min	mg/m3	20.4	20.9	57.6	71.4	91.7	133.1	119.9	2.1	100.3	77.8	24	32	124.1	-100.4	73.2	87.8		
	Ave	mg/m3	57.2	83.3	119.2	149.5	162.5	247.6	235.3	139.2	159	153	76.3	87.7	229.5	154.8	178.9	87.8		
	Max	mg/m3	121.9	145.3	192.8	430.4	240.1	377.6	365.9	313.1	249.9	250.9	132.8	283.8	442.4	382.8	423.9	87.8		
	30m ELV exceedances	[100 mg/m3]	2	17	36	37	47	48	48	36	48	45	13	7	48	31	35	0		
Particulates (normalised)	Min	mg/m3	-4.4	-4.4	-4.4	-4.3	-3.9	-3.8	-3.8	-3.9	-3.9	-3.8	-4	-4.1	-3.5	-3.5	-4.1	-2.2		
	Ave	mg/m3	-3.8	-4.2	-4.3	-4	-3.7	-3.7	-3.6	-3.7	-3.8	-3.7	-3.8	-3.7	-3.3	-2.6	-3.6	-2.2		
	Max	mg/m3	0	0	0	0	0	0	0	0	0	0	0	0	0	18.7	0.8	0		
	30m ELV exceedances	[30 mg/m3]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
VOC (normalised)	Min	mg/m3	5.8	9.7	10.5	9.9	10.8	8.9	8.3	1	9.5	9	8.8	7.8	5.4	3.1	1.1	1.4		
	Ave	mg/m3	10.3	10.9	12	13.9	12.1	11.8	12.1	12	12.9	12.9	13	11.9	7.9	9.1	13.5	1.4		
	Max	mg/m3	15.3	13.6	16.7	17.7	14.8	15.1	15.6	16.9	14.4	14.9	22.2	14.3	9	12.5	15.8	1.4		
	30m ELV exceedances	[20 mg/m3]	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0		
Exceeds daily ELV ?	[10 mg/m3]	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	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	0	0	0	0	0	1	21.5	14.5	22	17.5	16	20	24	483.5
	Gas	h	0	0	0	0	5.5	9.5	2.5	11.5	2.5	7	11	4.5	0	75.5
	Residue & gas	h	0	0	0	0	0	0	0	2	0.5	1	3	1	0	11
	Idle	h	24	24	24	24	18.5	13.5	0	0	0	0.5	0	0.5	0	196
Total flow	Residue	kg	0	0	0	0	0	182.4	9132.8	6613.4	11325.1	9253.6	5994.5	8703.6	11536.3	216.8 tonnes
	Gas	m3	0	0	0	0	630.1	1119	274.6	1275.3	300.9	847.5	1272.3	535.1	0	8658 m3
	Air	m3	29496	29687	28399	11710	30347	44966	109897	121319	153645	144197	102251	120592	136952	3284868 m3
NOx (normalised)	Min	mg/m3						14.7	14	13	14.8	11.8	12.7	12.7	14.8	
	Ave	mg/m3						17	14.3	14.7	15.2	15.3	14.9	15	15	
	Max	mg/m3						19.2	16.3	16.5	16.7	20.4	16.1	18.6	16.7	
	Exceeds daily ELV ?	[400 mg/m3]					N	N	N	N	N	N	N	N	N	0 exceedances
CO (normalised)	Min	mg/m3						69.2	90	42.8	50.3	0	59.2	76.9	260	
	Ave	mg/m3						258.3	178.8	115	133.9	138	371.1	314.7	339.3	
	Max	mg/m3						447.5	470	167.8	312.4	1537.3	1672.6	1344.8	416.2	
	30m ELV exceedances	[100 mg/m3]						1	40	23	34	20	27	38	48	729 exceedances
	Exceeds daily ELV ?	[50 mg/m3]					Y	Y	Y	Y	Y	Y	Y	Y	Y	24 exceedances
Particulates (normalised)	Min	mg/m3						-1.8	-3.9	-4	-4.2	-4.3	-4.2	-4.2	-4.3	
	Ave	mg/m3						-1.1	-3.2	-3.1	-2.6	-2.8	-3.5	0.7	-4.1	
	Max	mg/m3						0	0	0	0	0	2.4	172.8	0	
	30m ELV exceedances	[30 mg/m3]						0	0	0	0	0	0	1	0	1 exceedances
	Exceeds daily ELV ?	[10 mg/m3]					N	N	N	N	N	N	N	N	N	0 exceedances
VOC (normalised)	Min	mg/m3						0.1	1.7	0.4	0.5	0	0.4	0.5	3.8	
	Ave	mg/m3						0.5	2.3	3.3	5.2	3.3	3	4.4	4.5	
	Max	mg/m3						0.9	2.9	8.1	15.7	4	4	18.5	5	
	30m ELV exceedances	[20 mg/m3]						0	0	0	0	0	0	0	0	2 exceedances
	Exceeds daily ELV ?	[10 mg/m3]					N	N	N	N	N	N	N	N	N	13 exceedances

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