



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

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Related Document: BU2357/AP3634

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Page: 1 of 2

Incinerator Summary Report - June 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	24	24	24	24	24	23	24	19	24	24	24
	Gas	h	0	0	0	0	0	0	0	0	0	0	0	0	1.5	0	5	0	0	0
	Residue & gas	h	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0.5	0	0	0
	Idle	h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0
Total flow	Residue	kg	12228.9	12239.5	11633.1	11629.2	9602.6	9589.6	9605.7	9605.3	9603	9604.5	9578.8	9605.1	8984.6	9599.9	7259.1	9585.5	9539.7	9373.7
	Gas	m3	0	0	0	0	0	0	0	0	0	0	0	0	172.7	0	615.6	0	0.1	0
	Air	m3	158139	160123	149579	149589	126728	126547	124293	123278	129813	131785	123377	124600	125234	122771	116113	124840	126075	122754
NOx (normalised)	Min	mg/m3	126.6	182.2	158.6	147	201.8	197.5	104.2	51.8	182.6	53.6	124.1	0	14.6	-3.4	41.9	7.5	-73.6	146.3
	Ave	mg/m3	175.9	273.6	258.7	279.2	302.6	262.2	257.3	224.2	277.2	277	228.8	1.8	272.5	246	232.9	174.5	181.4	239.2
	Max	mg/m3	227.4	359.2	310.4	410.5	407.8	317	323.1	309.7	338.2	331.3	307.1	85.5	419.6	307.6	356.1	241.9	231.7	307.3
	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	-6.7	-6.6	-6.7	-6.8	-7	-6.8	-6.7	-6.7	-6.1	-5.6	-6.6	-2.2	-6.2	-5.7	-5.6	-5.3	-5.3	-5.3
	Ave	mg/m3	-6.5	-6.3	-6.2	-6.5	-6.3	-6.2	-5.8	-5.6	-5.2	-5.1	-5.3	0	-5.2	-5.1	-5	-5.2	-5.1	-5.1
	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	2.9	3	3	3.2	3.3	3.6	3.7	1.3	3.6	3.6	3.4	0	3	3.3	2.3	3.2	3.3	3.5
	Ave	mg/m3	3.2	3.2	3.3	3.4	4	4.5	4.1	3.9	3.9	3.7	3.6	0	3.9	3.6	3.8	3.5	3.6	3.7
	Max	mg/m3	3.8	3.7	3.9	3.9	8.4	8.8	5.2	4.6	4.2	4.1	4.1	1.2	16.4	4.6	8.8	4.5	4.1	4.1
	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	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.1	0.3	0.2	0.1	0	0.1	0.4	0.3	0.4	0.4	0.4
	Ave	mg/m3	0.4	0.5	0.5	0.4	0.5	0.4	0.3	0.3	0.4	0.3	0.2	0	0.4	0.5	0.5	0.4	0.4	0.5
	Max	mg/m3	0.4	0.6	0.7	0.6	0.7	0.5	0.4	0.4	0.6	0.3	0.3	0.1	0.7	0.6	0.6	0.5	0.5	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	TOTALS
Running time	Residue	h	24	24	12	0	0	0	0	0	0	0	0	0	486
	Gas	h	0	0	1	0	0	0	0	0	0	0	0	0	7.5
	Residue & gas	h	0	0	0.5	0	0	0	0	0	0	0	0	0	1.5
	Idle	h	0	0	11.5	24	24	24	24	24	24	24	24	24	228
Total flow	Residue	kg	9357.9	9379.8	4553.3	0	0	0	0	0	0	0	0	0	202.2 tonnes
	Gas	m3	0	0	101.6	0	0	0	0	0	0	0	0	0	890 m3
	Air	m3	121525	121420	81595	28694	24972	7490	17153	34589	29223	28647	22351	28395	2911695 m3
NOx (normalised)	Min	mg/m3	-226.7	172.1	106.1										
	Ave	mg/m3	237.6	272.7	247.8										
	Max	mg/m3	432.8	362.3	316.1										
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N										0 exceedances
CO (normalised)	Min	mg/m3	-5.3	-5.3	-5.3										
	Ave	mg/m3	-5	-5.2	-5										
	Max	mg/m3	0	0	0										
	30m ELV exceedances	[100 mg/m3]	0	0	0										0 exceedances
	Exceeds daily ELV ?	[50 mg/m3]	N	N	N										0 exceedances
Particulates (normalised)	Min	mg/m3	1.1	3.3	2										
	Ave	mg/m3	3.6	3.6	3.4										
	Max	mg/m3	4.2	4.1	3.9										
	30m ELV exceedances	[30 mg/m3]	0	0	0										0 exceedances
	Exceeds daily ELV ?	[10 mg/m3]	N	N	N										0 exceedances
VOC (normalised)	Min	mg/m3	0.1	0.4	0.4										
	Ave	mg/m3	0.5	0.5	0.5										
	Max	mg/m3	0.6	0.6	1.4										
	30m ELV exceedances	[20 mg/m3]	0	0	0										0 exceedances
	Exceeds daily ELV ?	[10 mg/m3]	N	N	N										0 exceedances

NOTES

Invalid data points are not reported because the incinerator is not operated at any time whilst CEM equipment is being maintained or calibrated