



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 - April 2018

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	0	0	0	0	0	0	4	24	24	24	7	15.5	16	13	16	14.5	13	21.5
	Gas	h	0	0	0	0	11	11	15.5	0	0	0	13	8.5	6.5	11	5	10	8.5	2.5
	Residue & gas	h	0	0	0	0	0	0	1	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0	0
	Idle	h	24	24	24	24	13	13	5.5	0	0	0	4.5	0.5	2	0.5	3.5	0	2.5	0
Total flow	Residue	kg	0	0	0	0	0.8	0.8	1330.7	9639.4	9473.2	9132.2	2540.7	5642.9	5829.4	4618.2	5870.8	5199.5	4924	8066.6
	Gas	m3	0	0	0	0	1248.7	1268.6	1879.4	0	0	0	1458.9	969.3	783	1267.1	612.6	1168.1	1034.3	289.8
	Air	m3	54761	70478	66457	66339	236472	237325	154341	134681	128341	125154	124129	126586	124789	120864	140098	119907	134438	131883
NOx (normalised)	Min	mg/m3							0	113.5	93	53.3	86.1	0	142.1	122.6	70.8	-15.3	43.9	107.4
	Ave	mg/m3							346.6	188.5	150.5	179.1	209	0	324.1	309.5	285.9	275.9	341.7	369.9
	Max	mg/m3							565.6	330	193.4	221.9	244.5	0	548.3	401.4	445.4	533.9	607	652.5
	Exceeds daily ELV ?	[400 mg/m3]						N	N	N	N	N	N	N	N	N	N	N	N	N
CO (normalised)	Min	mg/m3							-3	-3.1	-3.1	-3	-3	0	-4.9	-4.7	-5.2	-5	-5	-5.1
	Ave	mg/m3							-2.4	-3	-3	-2.9	-2.9	0	-4.6	-4.4	-4.5	-4.3	-4.7	-4.7
	Max	mg/m3							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
	Exceeds daily ELV ?	[50 mg/m3]						N	N	N	N	N	N	N	N	N	N	N	N	N
Particulates (normalised)	Min	mg/m3							0	0.4	0.3	0.4	0.2	0	0.3	0.3	0.3	0.2	0.7	0.3
	Ave	mg/m3							0.4	0.4	0.4	0.4	0.4	0	0.4	0.4	0.5	0.7	0.8	0.9
	Max	mg/m3							0.5	0.5	0.5	0.5	0.4	0	0.5	0.5	0.7	0.9	1.1	1.1
	30m ELV exceedances	[30 mg/m3]							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
VOC (normalised)	Min	mg/m3							0	0.5	0.4	0.4	0.3	0	0.6	1	0.9	0.4	0.7	0.4
	Ave	mg/m3							0.7	0.6	0.4	0.5	0.5	0	1.6	1.9	1.9	2	1.6	1.1
	Max	mg/m3							1	0.8	0.5	0.6	0.5	0	3.2	3.7	3.9	4.1	3.3	2.1
	30m ELV exceedances	[20 mg/m3]							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

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	23	24	24	23	24	18.5	12	461
	Gas	h	0	0	0	0	0	2	0	0	1.5	0	7	0	113
	Residue & gas	h	0	0	0	0	0	1	0	0	0.5	0	1.5	0	7
	Idle	h	0	0	0	0	0	0	0	0	0	0	0	12	153
Total flow	Residue	kg	9046	8397.6	8396.9	8399.9	9032	8476.2	8978.1	8997.7	8424.6	9004	6997	4674.5	171.1 tonnes
	Gas	m3	0	0	0	0	0	218.2	0	0	157.2	0	795.4	0	13151 m3
	Air	m3	128232	116585	119301	116379	117358	118126	116528	106352	113816	112405	110309	58907	3631342 m3
NOx (normalised)	Min	mg/m3	154	183.9	172.5	179.1	151.4	-4.4	142.3	110.6	88.2	188.4	43.9	160.1	
	Ave	mg/m3	261.8	245.7	271.5	268.5	206.2	262.7	191.9	156.4	201.3	237.5	220.7	229.5	
	Max	mg/m3	361.8	298.6	361.1	327.4	261.9	844.8	252.3	233.5	274.9	292.6	357.1	290	
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	0 exceedances
CO (normalised)	Min	mg/m3	-5.1	-5	-5.1	-5.2	-5.1	-5.2	-5.1	-5.1	-5.3	-5	-5.2	-5	
	Ave	mg/m3	-4.9	-4.9	-5	-5	-5	-4.8	-5	-5	-4.9	-4.9	-4.8	-5	
	Max	mg/m3	0	0	0	0	0	0.9	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 exceedances
	Exceeds daily ELV ?	[50 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	0 exceedances
Particulates (normalised)	Min	mg/m3	0.8	0.9	1	0.9	0.8	0.3	0.6	0.7	0.5	0.6	0.3	0.5	
	Ave	mg/m3	1	1	1.1	1	0.9	0.7	0.7	0.7	0.7	0.7	0.6	0.6	
	Max	mg/m3	1.1	1.1	1.2	1.1	1.1	0.8	0.8	0.9	0.8	1.2	0.7	0.7	
	30m ELV exceedances	[30 mg/m3]	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	0 exceedances
VOC (normalised)	Min	mg/m3	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.4	0.1	0.4	
	Ave	mg/m3	0.4	0.4	0.4	0.3	0.1	0.4	0.3	0.4	0.4	0.4	0.4	0.4	
	Max	mg/m3	0.5	0.5	0.4	0.4	0.2	7.2	0.4	0.5	0.6	0.5	0.6	0.4	
	30m ELV exceedances	[20 mg/m3]	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	0 exceedances

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