



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 - February 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	18	22.5	24	15.5	18.5	19	10	0	0	0	0.5	14	9.5	16.5
	Gas	h	0	0	0	0	5	1.5	0	8.5	5.5	5.5	6	0	0	14.5	18.5	10	15.5	8
	Residue & gas	h	0	0	0	0	0.5	0	0	0	0	0.5	0	0	0	0	0	0	1.5	0.5
	Idle	h	0	0	0	0	1.5	0	0	0	0	0	8	24	24	9.5	5	0	0.5	0
Total flow	Residue	kg	10283.8	10283.2	9079.8	9079.9	6291.4	8795.6	11239.4	5982.5	6939.3	7467.4	3837	0	0	0	226.6	7231.5	3576.9	6565.7
	Gas	m3	0	0	0	0	577.3	219.1	0	1051	623.4	628.4	752.8	0	0	1664.4	2183.5	1206.1	1744.5	901.6
	Air	m3	129379	129366	113353	113319	110310	120755	147067	115599	117703	116266	146356	257154	300906	238468	122027	135679	115906	126196
NOx (normalised)	Min	mg/m3	125.1	81.4	0	129.5	0	0	112.6	130.1	50.9	0	124.7				405.8	91.1	0	82.2
	Ave	mg/m3	156.2	198.4	167.4	193.8	177.5	90.8	201.6	220.1	275.9	0	225.8				405.8	155.6	133	204.1
	Max	mg/m3	199.3	301.7	341.8	277.1	335.5	477.5	284.9	515.7	705.1	0	416.5				405.8	836	378.9	836.6
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N	N	N	N	N	N			Y	N	N	N	N
CO (normalised)	Min	mg/m3	-1.9	-1.8	-1.9	-1.9	-1.9	-2	-2.8	-2.6	-2.2	0	-1.9				-2.3	-3.1	-3.1	-2.9
	Ave	mg/m3	-1.8	-1.8	-0.6	-1.8	-1.3	-0.6	-1.8	-1	-1.7	0	-1.6				-2.3	-2.9	-2.2	-1.8
	Max	mg/m3	0	0	28.3	0	0	1.3	0	23	0	0	1.7				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
	Exceeds daily ELV ?	[50 mg/m3]	N	N	N	N	N	N	N	N	N	N	N			N	N	N	N	N
Particulates (normalised)	Min	mg/m3	0.4	0.4	0	0.4	0	0	0.4	0.4	0.2	0	0.4				0.9	0.5	0	0.4
	Ave	mg/m3	0.4	0.4	0.4	0.5	0.3	0.2	0.5	0.4	0.5	0	0.6				0.9	0.6	0.6	0.6
	Max	mg/m3	0.4	0.4	1.1	0.6	0.4	0.5	0.7	0.6	0.6	0	1.2				0.9	1.6	0.8	0.8
	30m ELV exceedances	[30 mg/m3]	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
VOC (normalised)	Min	mg/m3	0.3	0.3	0	0.4	0	0	0.4	0.4	0.1	0	0.4				0.6	0.1	0	0.3
	Ave	mg/m3	0.4	0.4	0.4	0.4	0.3	0.3	0.5	0.6	0.5	0	0.4				0.6	0.3	0.4	1.1
	Max	mg/m3	0.4	0.6	1.9	0.5	0.5	0.8	0.6	5.8	0.8	0	0.8				0.6	0.9	1.9	2.9
	30m ELV exceedances	[20 mg/m3]	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

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	TOTALS
Running time	Residue	h	10	6	0	0	0	0	0	8.5	24	13.5	326
	Gas	h	15	8.5	0	0	2	23.5	24	15	0	0	186.5
	Residue & gas	h	1	0	0	0	0	0	0	0	0	0	4
	Idle	h	0	9.5	24	24	22	0.5	0	0.5	0	10.5	163.5
Total flow	Residue	kg	3951.1	2317.3	0	0	0	0	0	4205.1	12012.9	6597.9	136 tonnes
	Gas	m3	1707.9	1019.5	0	0	222.1	2696.5	2825.2	1730.9	0	0	21754 m3
	Air	m3	119492	122654	125192	50406	66718	235418	232048	144315	137141	75186	3964378 m3
NOx (normalised)	Min	mg/m3	103.4	56.8						69.4	14.8	58.1	
	Ave	mg/m3	189	123.4						97.3	71.7	83.9	
	Max	mg/m3	360.2	216.6						321.1	91.4	107.3	
	Exceeds daily ELV ?	[400 mg/m3]	N	N					N	N	N		1 exceedances
CO (normalised)	Min	mg/m3	-3	-3						-2.9	-3.1	-3.3	
	Ave	mg/m3	-2.7	-0.1						-2.8	-2.9	-3	
	Max	mg/m3	0	27.6						0	0	0	
	30m ELV exceedances	[100 mg/m3]	0	0						0	0	0	0 exceedances
	Exceeds daily ELV ?	[50 mg/m3]	N	N					N	N	N		0 exceedances
Particulates (normalised)	Min	mg/m3	0.5	0.3						1.7	2.2	2	
	Ave	mg/m3	0.7	0.5						2.3	2.5	2.8	
	Max	mg/m3	1.1	0.6						2.5	2.8	3.9	
	30m ELV exceedances	[30 mg/m3]	0	0						0	0	0	0 exceedances
	Exceeds daily ELV ?	[10 mg/m3]	N	N					N	N	N		0 exceedances
VOC (normalised)	Min	mg/m3	0.4	0.2						0.2	0.2	0.2	
	Ave	mg/m3	0.9	0.5						0.4	0.2	0.2	
	Max	mg/m3	2.4	2.2						0.6	0.4	0.3	
	30m ELV exceedances	[20 mg/m3]	0	0						0	0	0	0 exceedances
	Exceeds daily ELV ?	[10 mg/m3]	N	N					N	N	N		0 exceedances

NOTES

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