



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 03/10/2017

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Related Document: BU2357/AP3634

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Page: 1 of 2

Incinerator Summary Report - August 2017

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	16	7	7.5	18.5	24	24	24	24	24	24
	Gas	h	0	0	0	0	0	0	0	0	8	7.5	17.5	5.5	0	0	0	0	0	0
	Residue & gas	h	0	0	0	0	0	0	0	0	0	0.5	1	0.5	0	0	0	0	0	0
	Idle	h	0	0	0	0	0	0	0	0	0	10	0	0.5	0	0	0	0	0	0
Total flow	Residue	kg	9600	9600	9600	9600	9600	9600	9600	9600.8	6265.2	2714.3	2410.5	7311.8	9600	9600	9600.5	9600	9600.5	9599.8
	Gas	m3	0	0	0	0	0	0	0	0	988.8	920.3	2105.7	710.2	0	0	0	0	0	0
	Air	m3	116584	117083	119334	122559	120798	113435	117612	115618	110173	162538	101638	116190	117207	114985	121048	115902	120474	115401
NOx (normalised)	Min	mg/m3	155.3	146	143	171.3	202.7	154.3	147.7	163	31.7	133.3	26	102	131	151.7	142	117.3	99	119.3
	Ave	mg/m3	194.9	195.1	191.3	200.3	236.5	198.6	181.7	197.8	225.8	242.5	122.8	196.7	203.1	179.8	171	151.3	139.4	164.8
	Max	mg/m3	211.3	212.3	214.7	219	270.3	253.3	202.3	214.3	319.3	298.7	311.3	327.7	402	218.7	199.3	167	178.7	217
	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	-7	-6.7	-6.6	-7	-7	-7	-7	-7	-7.2	-7.1	-7.4	-6	-7.1	-7.5	-7.7	-7.5	-7.3	-7.5
	Ave	mg/m3	-6.7	-6.5	-6.5	-6.8	-7	-6.8	-6.8	-6.9	-6.6	-6.4	-5.9	-5.7	-6	-6.9	-7.4	-7.1	-7	-7.1
	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
Exceeds daily ELV ?	[ 50 mg/m3 ]	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Particulates (normalised)	Min	mg/m3	9.8	9.5	9.7	10	10.6	10.6	10.1	10	3.2	2.2	1.4	3.6	9.9	9.3	8.8	8.2	8.1	8.7
	Ave	mg/m3	10	9.8	10	10.5	10.8	10.9	10.5	10.4	9.4	8.6	4.9	9.6	10.1	9.8	9.6	8.6	8.5	9.2
	Max	mg/m3	10.4	10.2	10.1	10.7	11	11.1	11	11	11.1	10.4	8.8	10.3	10.3	10.2	10.3	8.9	8.9	9.8
	30m ELV exceedances	[ 30 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 ]	Y	N	N	Y	Y	Y	Y	Y	N	N	N	N	Y	N	N	N	N	N	
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	24	24	24	11.5	24	24	24	24	24	24	24	24	684.5
	Gas	h	0	0	0	0	7.5	0	0	0	0	0	0	0	0	46
	Residue & gas	h	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Idle	h	0	0	0	0	5	0	0	0	0	0	0	0	0	15.5
Total flow	Residue	kg	9317.8	9120	9120.2	9120	4372.8	9580.3	9600	9600.2	9600	9600	9600	9600	9600	270.9 tonnes
	Gas	m3	0	0	0	0	945.3	0	0	0	0	0	0	0	0	5670 m3
	Air	m3	108534	109046	107761	114770	117377	114329	116839	119488	116934	119256	112211	110679	112011	3617814 m3
NOx (normalised)	Min	mg/m3	145	155	150.7	152	159.3	112.7	138	102.7	86.7	112.7	83.7	85.3	83	
	Ave	mg/m3	180.2	190	183	195.6	182.5	146.1	166.5	128.1	112.1	142.1	114.6	113.5	109	
	Max	mg/m3	207.3	214.7	210	214.3	202.3	173.7	201.3	164.7	135	201	131.3	129.3	130.7	
	Exceeds daily ELV ?	[ 400 mg/m3 ]	N	N	N	N	N	N	N	N	N	N	N	N	N	0 exceedances
CO (normalised)	Min	mg/m3	-7.2	-7	-7	-7	-6.7	-7	-7.1	-7	-7	-7	-7	-7	-7	
	Ave	mg/m3	-6.9	-6.9	-6.8	-6.8	-6.4	-6.9	-7	-7	-7	-7	-7	-7	-7	
	Max	mg/m3	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 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	8.1	7.3	7.4	7.8	3.4	7.2	9.1	9.7	10	9.3	9	8.4	8.1	
	Ave	mg/m3	9.1	7.8	7.8	8.1	7.3	9.1	9.5	10.2	10.3	9.8	9.5	8.9	8.3	
	Max	mg/m3	9.8	8.2	8.3	8.5	8.1	9.6	9.8	10.6	10.9	10.3	9.8	9.4	8.7	
	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	Y	Y	N	N	N	N	N	9 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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