



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 08/10/2020

Date of Issue: 21/12/2006

Related Document: BU2357/AP3634

Created on: 21-12-2006

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Incinerator Summary Report - September 2020

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	11.5	0	0.5	0.5	24	24	19	24	23.5	24	24	24	24	24	22	24	24	24
	Gas	h	0	0	20.5	20.5	0	0	0	0	0.5	0	0	0	0	0	2.5	0	0	0
	Residue & gas	h	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0
	Idle	h	12.5	24	3.5	3.5	0	0	5	0	0	0	0	0	0	0	0	0	0	0
Total flow	Residue	kg	3863.3	0	147.4	147.4	9191.2	9191.3	6595.8	8418.2	8171.6	8423.1	8386.9	8401.3	8386.3	8406.4	8130.2	9674.2	9613.8	9593.1
	Gas	m3	31.5	0	2772.4	2772.4	0	0	0	0	52.3	0	0	0	0	0	337.5	0	0	0
	Air	m3	78447	40514	135326	135278	114201	114055	106748	104700	105067	105636	105761	107346	105156	106785	106108	110137	111520	114888
NOx (normalised)	Min	mg/m3	245.1		0	0	0	173.2	180.8	230.5	297.4	238.2	244.3	209.2	200.5	207.9	80.4	268.5	230.8	225.5
	Ave	mg/m3	409.2		0	0	120.5	212.3	266.1	290.1	331	279.8	339	318.9	238.8	239.6	234.3	314.1	294.6	295
	Max	mg/m3	462.5		0	0	1112.4	276.5	286.7	335	809.9	376.5	443.5	466.1	274.5	270.4	383.3	406.5	362	363.2
	Exceeds daily ELV ?	[400 mg/m3]	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CO (normalised)	Min	mg/m3	-6.3		0	0	-5.4	-5.4	-5.3	-5.7	-6.4	-6	-6.1	-5.9	-5.5	-5.2	-5.8	-5.4	-5.6	-6
	Ave	mg/m3	-5.6		0	0	-3.3	-5.3	-2.9	-5.2	-5.5	-5.4	-5.4	-5.3	-5.2	-5.2	-5.1	-5.1	-5.2	-5.3
	Max	mg/m3	0		0	0	5.3	0	80.7	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
	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	0.6		0.4	0.4	0.4	0.6	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.4
	Ave	mg/m3	0.6		0.4	0.4	0.6	0.7	0.8	0.7	0.6	0.3	0.3	0.4	0.5	0.6	0.4	0.4	0.5	0.5
	Max	mg/m3	0.7		0.4	0.4	0.8	0.8	0.9	0.7	0.7	0.4	0.3	0.5	0.7	0.7	0.6	0.6	0.5	0.5
	30m ELV exceedances	[30 mg/m3]	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
VOC (normalised)	Min	mg/m3	0		0	0	0	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
	Ave	mg/m3	0		0	0	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.2	0.1
	Max	mg/m3	0		0	0	0.3	0.2	0.2	0.3	0.4	0.2	0.2	0.2	0.2	0.3	1.5	0.7	0.3	0.1
	30m ELV exceedances	[20 mg/m3]	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	24	24	24	24	24	24	24	23.5	24	24	628.5
	Gas	h	0	0	0	0	0	0	0	0	0	1	0	0	45
	Residue & gas	h	0	0	0	0	0	0	0	0	0	0.5	0	0	2
	Idle	h	0	0	0	0	0	0	0	0	0	0	0	0	48.5
Total flow	Residue	kg	9599.2	9593.1	9579.4	9592.9	9593.1	9894.9	10726.6	10782.1	10787.4	10476.5	11182.7	11266.3	247.8 tonnes
	Gas	m3	0	0	0	0	0	0	0	0	0	121.7	0	0	6088 m3
	Air	m3	115866	118454	118256	117500	115653	119341	132322	134614	130652	127972	138423	139993	3416717 m3
NOx (normalised)	Min	mg/m3	287.2	364.7	324.9	317.7	314.5	284.5	233.2	239	128.6	203.9	114.7	194	
	Ave	mg/m3	353	395.8	385.3	391.4	409.2	370	380.6	277.3	299.6	277	210	246.6	
	Max	mg/m3	414.8	430.6	440.1	447.5	462.4	670.9	568.8	343.5	422.9	643.2	291.3	330.7	
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	Y	N	N	N	N	N	N	N	2 exceedances
CO (normalised)	Min	mg/m3	-5.8	-5.3	-5.3	-5.3	-5.5	-6.1	-5.7	-5.6	-5.5	-5.5	-5.4	-5.5	
	Ave	mg/m3	-5.3	-5.3	-5.2	-5.1	-5.2	-5.3	-5.3	-5.4	-5.3	-5.3	-5.3	-5.4	
	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	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	0.4	0.3	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
	Ave	mg/m3	0.5	0.5	0.6	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.4	0.3	
	Max	mg/m3	0.6	0.6	0.7	0.7	0.5	0.3	0.3	0.3	0.3	0.6	0.8	0.4	
	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	0	0	0	0.2	0.1	0.2	0	0	0.1	0.1	0.1	
	Ave	mg/m3	0	0	0	0.2	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.2	
	Max	mg/m3	0.1	0.2	0.1	0.3	0.4	0.3	0.3	0.2	0.3	0.3	0.3	0.3	
	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

NOTES

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