



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 15/04/2021

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Incinerator Summary Report - February 2021

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	15.5	15.5	24	20.5	16.5	24	24	24	24	19.5	24	24	24	24	24	24
	Gas	h	0	0	6.5	6.5	0	4	7.5	0	0	0	0	3	0	0	0	0	0	0
	Residue & gas	h	0	0	0.5	0.5	0	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0
	Idle	h	0	0	2.5	2.5	0	0	0.5	0	0	0	0	1.5	0	0	0	0	0	0
Total flow	Residue	kg	8395.2	8394.2	5186.1	5186.4	8744.2	7052	6791.7	9684.4	9590.8	9613.7	9612.7	7685.2	9496.5	8404.6	8400.8	8399.5	8389.5	8391.5
	Gas	m3	0	0	905.6	905.6	0	453	984	0	0	0	0	417.9	0	0	0	0	0	0
	Air	m3	104478	104533	101464	101454	106158	98342	122241	115007	113148	110543	111459	115573	116800	103281	109397	105959	100575	102701
NOx (normalised)	Min	mg/m3	148.7	109.1	200.4	109.4	103.5	121.1	91.2	155.2	195.7	259.2	222.9	233.9	192	128.4	235.6	126	104.4	111.3
	Ave	mg/m3	262.7	245.4	311.9	257.2	120.9	149.9	147.8	231.1	257.4	352.2	292.9	345.6	253.5	209.6	344	265	118.6	120.1
	Max	mg/m3	382.7	335.5	394.2	641.4	136	423.4	433.5	323.2	396.9	500	422.7	644.2	330.3	276.6	460	461.1	161.2	138.5
	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	-3.5	-2.7	-2.6	-2.8	-3.1	-3.3	-4.1	-3.3	-3.7	-3.8	-3.8	-3.4	-3.1	-3	-2.7	-3.2	-2.7	-2.6
	Ave	mg/m3	-2.8	-2.5	-2.6	-1.2	-2.6	-2.7	-2.5	-2.8	-3	-3.1	-3	-2.5	-2.5	-2.6	-2.6	-2.6	-2.5	-2.6
	Max	mg/m3	0	0.4	0	29.9	0	0	17.1	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	0.3	0.1	0.3	0.1	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.3
	Ave	mg/m3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
	Max	mg/m3	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.4	0.3	0.4	0.3	0.3	0.4	0.4	0.4
	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	0.7	0.3	0.3	0.1	0.1	0.1	0.4	0.1	0	0	0	0	0	1	1.1	0.8	0	0
	Ave	mg/m3	1.1	0.6	0.5	0.4	0.1	0.2	1.3	0.2	0	0.1	0.1	0	0.5	1.1	1.1	1.2	0.6	0
	Max	mg/m3	1.8	0.8	0.7	2.3	0.2	2.5	7	0.5	0.2	0.3	0.2	0	1.3	1.2	1.3	1.3	1.3	0.2
	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	TOTALS
Running time	Residue	h	24	18	24	12	3.5	9	24	24	24	22	584
	Gas	h	0	4.5	0	12	19	8.5	0	0	0	2	73.5
	Residue & gas	h	0	0	0	0	1.5	1	0	0	0	0	4.5
	Idle	h	0	1.5	0	0	3	7.5	0	0	0	0	19
Total flow	Residue	kg	8413.3	6327.2	8401.3	4172.7	1035.1	3054	9593	9595.8	9605.8	8698.1	216.3 tonnes
	Gas	m3	0	578.7	0	1644.7	2370	1146.7	0	0	0	280.4	9687 m3
	Air	m3	106920	109127	104933	111780	120863	160449	113454	114311	113607	111398	3109955 m3
NOx (normalised)	Min	mg/m3	139.6	111.2	107.4	107.5	104	43.5	96.7	99.6	105	70.7	
	Ave	mg/m3	283.3	229.8	113.7	128.7	313.5	306.1	111.6	115	122.5	134.6	
	Max	mg/m3	379.8	546.6	123.9	364.7	554.8	894.1	150.2	128.1	159.3	185	
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N	N	N	N	N	0 exceedances
CO (normalised)	Min	mg/m3	-2.6	-3.3	-3.4	-3.8	-3.2	-3.3	-3.5	-3.6	-3.5	-3.9	
	Ave	mg/m3	-2.6	-2.6	-2.8	-3.1	-0.2	-1.8	-2.7	-2.8	-2.8	-3.3	
	Max	mg/m3	0	0	0	0	4.7	6.4	0	0	0	0	
	30m ELV exceedances	[100 mg/m3]	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	0 exceedances
Particulates (normalised)	Min	mg/m3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.2	
	Ave	mg/m3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
	Max	mg/m3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	
	30m ELV exceedances	[30 mg/m3]	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	0 exceedances
VOC (normalised)	Min	mg/m3	0	0.1	0.1	0.1	0.2	0.1	0.5	0.3	0.2	0.2	
	Ave	mg/m3	0.1	0.9	0.2	0.2	0.9	2.5	0.9	0.4	0.4	0.4	
	Max	mg/m3	0.1	3.7	0.4	0.2	2.8	5	2	0.7	0.5	0.5	
	30m ELV exceedances	[20 mg/m3]	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	0 exceedances

NOTES

Invalid data points are not reported because the incinerator is not operated ε