



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 - November 2019

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	5	10.5	24	24	14.5	14.5	24	24	24	24	24	24	13	21	24	24	24	21.5
	Gas	h	19.5	16	0	0	8	8	0	0	0	0	0	0	3.5	3.5	0	0	0	3
	Residue & gas	h	1	2.5	0	0	0.5	0.5	0	0	0	0	0	0	0	0.5	0	0	0	1
	Idle	h	0.5	0	0	0	2	2	0	0	0	0	0	0	7.5	0	0	0	0	0.5
Total flow	Residue	kg	1574.8	3198.9	9604.8	9601.9	5549.9	5557.3	10417.2	10779.2	10807.2	11252.7	11692.1	11989.1	6400.5	10145.2	11991.9	12002.3	11993.3	10337.2
	Gas	m3	2248.4	1794.7	0	0	989.3	989.3	0	0	0	0	0	0	535.4	442	0	0	0	386
	Air	m3	131854	110225	134042	134128	130495	130543	135914	137139	139997	149242	155301	156341	185354	144265	159680	153713	151307	141442
NOx (normalised)	Min	mg/m3	15	14.8	18.9	16.2	14.4	15.4	15.9	17.1	17	16.5	16.1	15.1	16.9	14.1	17	16.8	16.7	15.7
	Ave	mg/m3	16.6	18.4	19.5	18.1	16.4	16.2	16.8	17.2	17.3	17	17.4	17.2	17.1	16.9	17.1	17	16.9	16.8
	Max	mg/m3	19.9	20.2	20.1	19.6	17.6	19.2	17.4	17.4	17.5	17.3	20.2	19.4	18.3	17.3	17.3	17.2	17.1	18.3
	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ave	mg/m3	211.2	68.5	0	125.9	71.9	152.3	32.8	0	0	1.7	32.9	0	5.2	60.7	0	0	0	2.6
	Max	mg/m3	620.3	701.2	0	594.4	313.6	522.2	164.4	0	0	50.4	510.1	0	134.3	1036.8	0	0	0	40.4
	30m ELV exceedances	[100 mg/m3]	6	3	0	18	11	18	6	0	0	0	4	0	1	4	0	0	0	0
Particulates (normalised)	Exceeds daily ELV ?	[50 mg/m3]	Y	Y	N	Y	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N
	Min	mg/m3	-2.4	-2.2	-0.2	-2.1	-2.3	-2.4	-2.2	0	0	-0.3	-1.9	0	-1.1	-2	0	0	0	-0.8
	Ave	mg/m3	-1.3	-0.3	0	-0.5	-0.4	-1.6	-0.5	0	0	0	-0.1	0	0	-0.2	0	0	0	0
	Max	mg/m3	0	1.5	0	0	0.8	0.6	0	0	0	0	0	0	0	0	0	0	0	0
VOC (normalised)	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]	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Min	mg/m3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ave	mg/m3	0.4	0.1	0	0.2	0.3	0.4	0.1	0	0	0	0	0	0	0	0	0	0	0
VOC (normalised)	Max	mg/m3	0.6	0.5	0	0.7	1.2	0.8	0.7	0	0	0.1	0.5	0	0.3	0.5	0	0	0	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	29	30	TOTALS
Running time	Residue	h	17	23	24	20.5	21	24	22	16.5	15	14.5	8.5	5	575
	Gas	h	8	1	0	4.5	3.5	0	2	6.5	9.5	11.5	16	19.5	143.5
	Residue & gas	h	1.5	0.5	0	1	1.5	0	0.5	1	0.5	2.5	2	2	19
	Idle	h	0.5	0.5	0	0	1	0	0.5	2	0	0.5	1.5	1.5	20.5
Total flow	Residue	kg	7944.4	11343	11985.3	9655.7	8964.3	8317.3	7516.6	5566.3	5221.1	4429.4	2485.2	1751.9	250.1 tonnes
	Gas	m3	965.5	139.5	0	505.8	437.8	0	245.8	796.3	1241.6	1328.9	2155.8	2630.9	17833 m3
	Air	m3	140234	153116	156739	151104	142060	120004	120055	129352	119691	113720	120308	122089	4169453 m3
NOx (normalised)	Min	mg/m3	13.5	15.5	17	13.3	16.2	15.3	14.7	14.3	14.7	13	16.3	14.5	
	Ave	mg/m3	17	17.3	17.2	16.9	17.3	17.7	15.4	15.6	15.3	15.6	17.7	17.2	
	Max	mg/m3	18.5	17.5	17.4	19.9	19	19	17	20	18	18.9	19.2	19.3	
	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	0	0	0	0	0	0	151.3	0	0	0	0	0	
	Ave	mg/m3	6	1.1	0	3	3.1	128.7	234.9	182.2	310.1	256.1	65.7	77.5	
	Max	mg/m3	80.1	50.8	0	76.9	69.1	862.5	293.1	213.3	558.5	777.1	255.7	189.3	
	30m ELV exceedances	[100 mg/m3]	0	0	0	0	0	16	44	30	28	26	4	4	223 exceedances
	Exceeds daily ELV ?	[50 mg/m3]	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	13 exceedances
Particulates (normalised)	Min	mg/m3	-1.7	-1.3	0	-1.7	-0.5	-2.4	-2.6	-2.3	-2.5	-4.2	-1.8	-1.9	
	Ave	mg/m3	0	0	0	0.1	0	-0.6	-2.1	-1.8	-2	-1.2	-0.5	-0.4	
	Max	mg/m3	1	0	0	4	0	0	0.1	3.9	0	9.9	0	3.7	
	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	0	0	0	0	0	0.4	0	0	0	0	0	
	Ave	mg/m3	0	0	0	0	0	0.2	0.5	0.5	0.5	0.4	0.1	0.2	
	Max	mg/m3	0.4	0.3	0	0.4	0.1	0.6	0.6	0.6	0.5	0.5	0.4	0.5	
	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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