



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

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Related Document: BU2357/AP3634

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Page: 1 of 2

Incinerator Summary Report - April 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	20.5	24	23	24	24	13	13	24	19.5	11.5	11	15.5	22.5	21.5	24	24	24
	Gas	h	0	4	0	1	0	0	11	12	0	5	13	13.5	8.5	2	4	0	0	0
	Residue & gas	h	0	0.5	0	0	0	0	0.5	1	0	0.5	0.5	1	1	0.5	1.5	0	0	0
	Idle	h	0	0	0	0	0	0	0.5	0	0	0	0	0.5	1	0	0	0	0	0
Total flow	Residue	kg	9601.3	7978.3	8974.5	8082.3	8401.3	7972.5	4060.3	4749.5	9600.2	7150.2	3550.8	3637.5	5281.7	9851.7	9087	9625	9601.3	9600
	Gas	m3	0	493	0	96	0	0	1420.2	1532.8	0	665.2	1653.3	1740.3	1106	212.2	442.5	0	0	0
	Air	m3	119792	117760	113163	99702	91364	101117	103563	114827	129967	116715	113381	110618	115152	131212	129462	119717	113636	115485
NOx (normalised)	Min	mg/m3	210	133.3	128.3	93	101	241.3	112.3	124.3	144.3	112	35	108.3	47.3	69.7	69.7	196	187.7	289
	Ave	mg/m3	369.1	258.4	163.9	123	167.5	386.1	241	415.2	324.6	377.8	194.4	144.8	214.5	181.5	264	232.2	234.5	327.5
	Max	mg/m3	535.7	511.3	232.7	238.3	382.3	605.3	626.7	795	896	673.3	631.7	345.7	720.3	558.3	684.3	265.3	354	370.3
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N
CO (normalised)	Min	mg/m3	-6.7	-6.7	-6.6	-6.8	-6.6	-6.5	-7.4	-6.8	-6.7	-6.9	-6.6	-6.6	-6.7	-6.8	-6.9	-6.5	-7.7	-7
	Ave	mg/m3	-6.4	-6.3	-6.4	-6.3	-6.1	-6.4	-6.4	-6.4	-6.4	-6.4	-5.9	-6.4	-6.1	-6.3	-6.1	-6	-6.1	-6.4
	Max	mg/m3	0	0	0	0	0	0	0	0	0	0.4	0	0	0	0	1.3	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	7.2	3.2	6.6	4.7	5.5	5	3	3.5	6.8	3.1	1.9	2.9	1.8	3.7	1.5	7.7	7.6	7.8
	Ave	mg/m3	7.6	6.9	7.4	6.3	6.1	5.5	5.1	7.4	7.3	7.1	5.3	5.7	6	7.7	8	7.9	8	8.1
	Max	mg/m3	8.1	7.5	7.8	7	6.4	6.1	5.8	8.6	7.9	7.7	7.3	6.8	7.3	8.5	9	8.3	8.3	8.3
	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	0.5	0	0	0	0	0.2	0.1	0.7	0.5	0	0.1	0.6	0.3	0.3	0.2	0.3	0	0.3
	Ave	mg/m3	0.5	0.3	0.2	0	0	0.4	0.9	1.6	0.5	0.5	1.6	1.2	1.3	0.5	0.5	0.5	0.4	0.5
	Max	mg/m3	0.5	0.6	0.5	0.3	0.5	0.5	2.6	4.5	0.8	1.1	5.3	4.8	2.6	0.7	1	0.5	0.5	0.5
	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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Page: 2 of 2

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Day			19	20	21	22	23	24	25	26	27	28	29	30	TOTALS
Running time	Residue	h	23.5	24	24	24	24	24	4.5	7.5	15.5	24	24	24	606
	Gas	h	1	0	0	0	0	0	13.5	12	7	0	0	0	107.5
	Residue & gas	h	0.5	0	0	0	0	0	0	0	0	0	0	0	7.5
	Idle	h	0	0	0	0	0	0	6	4.5	1.5	0	0	0	14
Total flow	Residue	kg	9239.2	9596	9601.3	9609.3	9681.7	9411.8	1590	2831.7	6429.8	10077.5	10081.5	10106.3	235.1 tonnes
	Gas	m3	95.3	0	0	0	0	0	1640.3	1446	736.5	0	0	0	13280 m3
	Air	m3	116594	124046	126053	124638	125388	118438	112277	117578	122974	125166	123335	127428	3520546 m3
NOx (normalised)	Min	mg/m3	105	182.3	189	220	220	217	69	142.3	93	84.3	93.3	98	
	Ave	mg/m3	281.3	220.2	236.2	255.2	275.9	257.3	279.3	245.5	278.3	121.1	118.3	120.1	
	Max	mg/m3	807.7	266	283.3	283.3	327	319.3	738.3	672.3	1054	145.3	147.7	144	
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N	N	N	N	N	N	N	1 exceedances
CO (normalised)	Min	mg/m3	-7	-6.8	-7	-7	-7	-6.8	-6.7	-6.9	-7	-7	-7	-7	
	Ave	mg/m3	-6.4	-6.5	-6.5	-6.6	-6.6	-6.5	-5.6	-6	-6.8	-7	-6.9	-6.9	
	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	3.2	7.6	7.3	6.9	6.7	5.4	0.6	4.8	3.1	5.9	5.8	5.7	
	Ave	mg/m3	8	8.2	7.5	7.1	7	6.5	2.8	5.5	5.8	6.2	5.9	5.8	
	Max	mg/m3	8.4	8.5	7.7	7.3	7.3	7.1	5.3	5.7	6.2	6.3	6.1	6.1	
	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	0.4	0.5	0.4	0.3	0.4	0.4	0.4	0.7	0.5	0.2	0.5	0.5	
	Ave	mg/m3	0.5	0.5	0.5	0.5	0.5	0.5	2.2	1.2	0.7	0.5	0.5	0.5	
	Max	mg/m3	0.8	0.5	0.5	0.5	0.5	0.5	6.5	2.3	1.1	0.5	0.5	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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