



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 - December 2019

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	23.5	24	21	24	24	24	24	8	0	0	0	12.5	2	15.5	1.5	0	2	14
	Gas	h	0.5	0	3.5	0	0	0	0	2.5	0	0	22.5	4	11	7.5	8.5	2.5	22	11
	Residue & gas	h	0	0	0.5	0	0	0	0	0.5	0	0	0	0.5	0	0.5	0.5	0	0	1
	Idle	h	0	0	0	0	0	0	0	14	24	24	1.5	8	11	1.5	14.5	21.5	0	0
Total flow	Residue	kg	10578.5	10253.3	8291.3	9608.1	9608.1	9041.3	9038.7	2880.6	0	0	0	4209.6	659.4	5227.8	324	0	674.5	4578.6
	Gas	m3	92.4	0	369.8	0	0	0	0	264.7	0	0	2978.4	612.6	1275.8	964.6	1112.3	302.1	3048	1436.4
	Air	m3	136899	131365	127713	141206	141238	136254	136232	129166	77341	85685	184795	89181	70504	124111	89268	77827	132057	126426
NOx (normalised)	Min	mg/m3	0	0	156.7	161.5	181.5	140.7	182.3	104.6				0	0	0	0		0	0
	Ave	mg/m3	0	135.4	267.9	229.4	287.1	356.7	291.7	219.9				0	0	0	0		0	8.9
	Max	mg/m3	0	373.7	380.9	274	426.2	536.6	423.7	304.8				0	0	0	0		0	250.4
	Exceeds daily ELV ?	[400 mg/m3]	N	N	N	N	N	N	N	N			N	N	N	N	0	N	N	
CO (normalised)	Min	mg/m3	0	-2.4	-2.4	-2.7	-2.5	-2.5	-2.4	-2.4				0	0	0	0		0	0
	Ave	mg/m3	0	-1.1	-2.3	-2.3	-2.1	-1.9	-2.3	-2				0	0	0	0		0	0.2
	Max	mg/m3	0	0	0	0	0	0	0	1.1				0	0	0	0		0	4.7
	30m ELV exceedances	[100 mg/m3]	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	0	N	N	
Particulates (normalised)	Min	mg/m3	0	0	0.3	0.5	0.2	0.1	0.5	0.3				0	0	0	0		0	0
	Ave	mg/m3	0	0.3	0.5	0.6	0.5	0.5	0.6	0.5				0	0	0	0		0	0
	Max	mg/m3	0	0.6	0.6	0.6	0.6	0.6	0.6	0.6				0	0	0	0		0	0.3
	30m ELV exceedances	[30 mg/m3]	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	0	N	N	
VOC (normalised)	Min	mg/m3	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
	Max	mg/m3	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
	Exceeds daily ELV ?	[10 mg/m3]	N	N	N	N	N	N	N	N			N	N	N	N	0	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	9.5	24	22.5	22	24	24	24	24	24	24	24	20	24	510
	Gas	h	14.5	0	2.5	3	0.5	0	0	0	0	0	0	4	0	120
	Residue & gas	h	0.5	0	1	1	0.5	0	0	0	0	0	0	1	0	7.5
	Idle	h	0.5	0	0	0	0	0	0	0	0	0	0	1	0	121.5
Total flow	Residue	kg	3253.9	9587.3	9101.8	8997.2	10198.9	10327.1	10335.2	10036.1	9420.5	8394.7	8397.3	6849.6	8371.7	198.2 tonnes
	Gas	m3	2004.1	0	286.7	364.1	46.2	0	0	0	0	0	0	541.8	0	15700 m3
	Air	m3	131422	132421	145625	147486	152156	152469	139249	136063	132212	126367	125291	118848	116721	3893595 m3
NOx (normalised)	Min	mg/m3	0	0	0	0	0	0	0	0	0	0	0	7.9	163.5	
	Ave	mg/m3	69.4	83.5	8.5	3.1	3.1	0	8.6	125.2	94.6	0	55.7	186	222.6	
	Max	mg/m3	259.5	227.9	169.1	98.8	146.6	0	119.1	276.2	222.3	0	305.7	360.9	249.1	
	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	-1.8	-1.9	-1.4	-0.9	-0.7	0	-2.3	-2.3	-2	0	-4.2	-3.1	-4.1	
	Ave	mg/m3	-0.5	-0.7	-0.1	0	0	0	-0.2	-1.3	-0.8	0	-1.2	-2.2	-3.6	
	Max	mg/m3	0	0	0	2.2	0	0	0	0	0	0	0	0.1	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	0	0	0	0	0	0	0	0	0	0	0	0	0.5	
	Ave	mg/m3	0.1	0.2	0	0	0	0	0	0.3	0.2	0	0.2	0.5	0.5	
	Max	mg/m3	0.5	0.4	0.4	0.2	0.3	0	0.6	0.6	0.5	0	0.6	0.6	0.6	
	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	N	N	N	N	N	N	N	0 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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