



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 24/07/2018

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Related Document: BU2357/AP3634

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Incinerator Summary Report - May 2018

Day			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Running time	Residue	h	24	14	13.5	17.5	17.5	24	24	24	2.5	15	24	24	24	24	14.5	10	24	15
	Gas	h	0	10	11.5	7	7	0	0	1.5	17	8	0	0	0	0	5	8	0	9
	Residue & gas	h	0	0	1	1	1	0	0	1.5	2.5	1	0	0	0	0	0	0	0	2
	Idle	h	0	0	0	0.5	0.5	0	0	0	7	2	0	0	0	0	4.5	6	0	2
Total flow	Residue	kg	9608.3	5562.7	5179.2	7807.4	7812.5	10814.8	10815.2	11798.4	1342	6703.3	10790.7	10896.8	11504.1	11988.8	7226.3	4512.9	10566.4	5425.6
	Gas	m3	0	1136.1	1284	765.2	765.2	0	0	161.2	1962.1	845	0	0	0	0	523	924.5	0	1005.4
	Air	m3	127020	117125	118427	132290	132350	137912	137918	134518	91139	110496	130564	131595	132509	138113	121444	111503	121738	107087
NOx (normalised)	Min	mg/m3	73.3	154.3	74.4	89.3	46	176.6	219.9	14.8	16.7	170.7	158.2	107.5	0	51.5	7.6	278.1	238.5	-16.4
	Ave	mg/m3	187.5	224.7	260.9	183.8	219.3	245.2	300.4	218.4	31.8	287.8	272.8	204.4	1	121.2	107.1	322.8	361.4	278.2
	Max	mg/m3	242.5	359.1	443.6	271.3	428.1	312.1	369.5	307.2	44.5	436.4	462	318.6	47.8	253	138.6	524.8	488.5	807
	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	-5.1	-5.1	-5.1	-5	-5	-5	-5.2	-5.1	-3.5	-4.8	-4.8	-4.8	-1.6	-4.8	-4.9	-5	-5.1	-5.3
	Ave	mg/m3	-4.9	-5	-4.7	-4.9	-4.8	-4.9	-4.7	-4.6	-2.9	-4.6	-4.7	-4.7	0	-4.7	-4.6	-4.9	-4.9	-3.9
	Max	mg/m3	0	0	0	0	0	0	0	4.1	0	0	0	0	0	0	0	0	0	9.2
	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	0.5	0.6	0.6	1	0.8	1.1	1.2	0.3	0.3	0.5	0.9	1	0	1.1	0.1	0.4	0.8	0.3
	Ave	mg/m3	0.7	0.7	1	1.2	1.3	1.3	1.3	1.2	0.6	0.8	1	1.2	0	1.3	1.2	0.6	0.9	1
	Max	mg/m3	0.8	0.8	1.2	1.3	1.4	1.5	1.5	1.6	0.9	1	1.2	1.3	0.4	1.4	1.4	0.8	1	1.5
	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	0.3	0.4	0.1	0.4	0.1	0.4	0.5	0.1	0.1	0.3	0.3	0.3	0	0.1	0	0.5	0.5	0.2
	Ave	mg/m3	0.4	0.5	0.5	0.4	0.5	0.6	0.5	0.4	0.2	0.5	0.4	0.4	0	0.3	0.2	0.6	0.6	0.6
	Max	mg/m3	0.5	0.6	1	0.6	0.7	0.8	0.6	0.6	0.6	0.7	0.6	0.5	0.1	0.4	0.3	0.9	0.9	1.8
	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	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	24	23.5	19.5	21	17.5	24	24	24	16	4	18.5	24	24	599.5
	Gas	h	0	1	5	3.5	6	0	0	0	2.5	19	4	0	0	125
	Residue & gas	h	0	0.5	0.5	0.5	0	0	0	0	0.5	1.5	1	0	0	14.5
	Idle	h	0	0	0	0	0.5	0	0	0	6	2.5	2.5	0	0	34
Total flow	Residue	kg	8584.7	8720.5	7590.4	8077.7	8311.2	12066.2	12469.1	12462.9	7970.4	1138	8449.2	12477.5	12217.6	270.9 tonnes
	Gas	m3	0	85	572.8	391.4	714.6	0	0	0	292.3	2190.6	451	0	0	14069 m3
	Air	m3	106855	112656	117353	114880	135049	151745	160630	158828	179657	95696	142607	164644	161895	4036243 m3
NOx (normalised)	Min	mg/m3	7.3	18.2	96.3	57.8	132.1	187.5	215.1	257.5	7.3	57.6	29.7	-5.2	35.1	
	Ave	mg/m3	189.8	271	208.1	238.9	347.8	263.2	294.6	338.8	300.8	275	186	117.2	130.9	
	Max	mg/m3	416.2	856.5	451.9	468.5	541.9	334.3	396.1	436.7	424.4	538.5	987	198.9	187.1	
	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	-5.9	-5.9	-6.2	-6.2	-6.6	-6.5	-6.8	-6.6	-6.6	-5.5	-6.7	-6.9	-6.9	
	Ave	mg/m3	-4.8	-4.8	-5.8	-5.3	-5.3	-5.4	-5.8	-5.2	-5.3	-4.2	-6.1	-6.5	-6.3	
	Max	mg/m3	0	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	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	1	0.5	1.2	0.8	0.6	2.8	2.8	2.8	1.3	1	1.1	2.6	1.1	
	Ave	mg/m3	1	1.2	1.4	1.7	3	3	3	3	3.9	2.7	2.9	2.9	3.1	
	Max	mg/m3	1.2	1.9	1.6	3.7	4.2	3.7	4.2	3.3	8.7	7.4	3.9	3.2	3.5	
	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	0.3	0.1	0.2	0.3	0.2	0.4	0.4	0.4	0.1	1.3	0.3	0.3	0.1	
	Ave	mg/m3	0.4	0.4	0.5	0.5	1.6	0.5	0.5	0.5	0.5	2.8	0.6	0.4	0.4	
	Max	mg/m3	0.5	0.6	0.7	0.7	4	0.8	0.5	0.7	0.8	4.9	1.1	0.4	0.6	
	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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