



Releases into the Air from the Primary & Secondary Incinerators (Release Point references A1 & A2)

Reporting of Periodic Emissions Monitoring Data for period from January – June 2011

	Primary Incinerator (Release Point reference A1)					Secondary Incinerator (Release Point reference A2)				
	Test Date	Test Method & sample time	Uncertainty (%)	Result ^[1]	ELV ^[2]	Test Date	Test Method & sample time	Uncertainty (%)	Result ^[1]	ELV ^[2]
HF ^[3] mg/m ³	01.02.11	BSISO1571 3 14:09- 16:09	0.0	< 0.02	2 mg/m ³	03.02.11	BSISO1571 3 09:18- 11:18	0.0	<0.03	2 mg/m ³
Cd + Tl ^[4] mg/m ³	02.02.11	BS EN 14385 08:53- 11:00	0.0	0.004	0.05 mg/m ³	03.02.11	BS EN 14385 13:16- 15:16	0.0	0.005	0.05 mg/m ³
Hg ^[5] mg/m ³	02.02.11	BS EN13211 08:53- 11:00	0.0	0.0003	0.05 mg/m ³	03.02.11	BS EN13211 13:16- 15:16	0.0	0.005	0.05 mg/m ³
Metals ^[6] mg/m ³	02.02.11	BS EN14385 08:53- 11:00	142	0.021	0.5 mg/m ³	03.02.11	BS EN14385 13:16- 15:16	0.0	0.02	0.5 mg/m ³
PAHs ^[7] ug/m ³	02.02.11	BSISO1133 13:25- 15:25	2.05	0.974	-	03.02.11	BSISO1133 08:57- 10:57	20	1.6	-
PCBs ^[8] ng/m ³	01.02.11	BS EN 1948 11:24- 17:24	0	0.0002	-	02.02.11	BS EN 1948 11:45- 14:45	0.0	0.0212	-
Dioxins ^[9] ng/m ³	01.02.11	BS EN 1948 11:24- 17:24	0	0.0032	0.1 ng/m ³	02.02.11	BS EN 1948 11:45- 14:45	17.6	0.1704	0.1 ng/m ³

[1] All values are expressed at the following conditions: 273K, 101.3kPa, 11% v/v oxygen, dry gas without correction for uncertainty.

[2] ELV means Emission Limit Value.

[3] HF means hydrogen fluoride.

[4] Cd+Tl means cadmium and thallium including the gas, vapour and solid phases of the metals and their compounds, in total, expressed as the metals.

[5] Hg means mercury including the gas, vapour and solid phases of the metal and its compounds, in total, expressed as the metal.

[6] Metals means antimony, arsenic, chromium, cobalt, copper, lead, manganese, nickel & vanadium including the gas, vapour and solid phases of the metals and their compounds, in total, expressed as the metals.

[7] PAHs means polyaromatic hydrocarbons.

[8] PCBs means dioxin-like PCBs.

[9] Dioxins means dioxins and furans expressed as the TEQ based upon the I-TEF scheme for toxic equivalence.



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	Test Date	Test Method & sample time	Uncertainty (%)	Result ^[1]	ELV ^[2]	Test Date	Test Method & sample time	Uncertainty (%)	Result ^[1]	ELV ^[2]
HF ^[3]	17.08.10	BSISO15713 14:30-16:30	0	<0.02 mg/m ³	2 mg/m ³	18.08.10	BSISO15713 11.57-13.57	14	<0.03 mg/m ³	2 mg/m ³
Cd + Tl ^[4]	17.08.10	BS EN14385 11.16-13.16	0	0.002 mg/m ³	0.05 mg/m ³	17.08.10	BS EN 14385 10.27-12.27	0	0.003 mg/m ³	0.05 mg/m ³
Hg ^[5]	17.08.10	BS EN13211 11.16-13.16	15	0.007 mg/m ³	0.05 mg/m ³	17.08.10	BS EN13211 10.27-12.27	20	0.005 mg/m ³	0.05 mg/m ³
Metals ^[6]	17.08.10	BS EN14385 11.16-13.16	15	0.057 mg/m ³	0.5 mg/m ³	17.08.10	BS EN14385 10.27-12.27	18	0.040 mg/m ³	0.5 mg/m ³
PAHs ^[7]	17.08.10	BSISO11338 13:50-15.50	21	0.44 µg/m ³	-	18.08.10	BSISO11338 11.20-13.20	21	2.2 µg/m ³	-
PCBs ^[8]	18.08.10	BS EN 1948 09.10-15.10	22.5	0.0004 mg/m ³	-	17.08.10	BS EN 1948 12.52-18.52	21	0.0042 mg/m ³	-
Dioxins ^[9]	18.08.10	BS EN 1948 09.10-15.10	21	0.0054 ng/m ³	0.1 ng/m ³	17.08.10	BS EN 1948 12.52-18.52	21	0.0304 ng/m ³	0.1 ng/m ³

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	Test Date	Test Method & sample time	Uncertainty (%)	Result ^[1]	ELV ^[2]	Test Date	Test Method & sample time	Uncertainty (%)	Result ^[1]	ELV ^[2]
HF ^[3] mg/m ³	18.02.10	BSISO1571 3 09:14- 11:14	0	<0.02	2 mg/m ³	16.02.10	BSISO1571 3 12:51- 14:51	0	<0.02	2 mg/m ³
Cd + Tl ^[4] mg/m ³	18.02.10	BS EN 14385 10:02- 12:02	0	0.001	0.05 mg/m ³	17.02.10	BS EN 14385 12:40- 14:40	25	0.004	0.05 mg/m ³
Hg ^[5] mg/m ³	18.02.10	BS EN13211 10:02- 12:02	0	0.002	0.05 mg/m ³	17.02.10	BS EN13211 12:40- 14:40	0	0.001	0.05 mg/m ³
Metals ^[6] mg/m ³	18.02.10	BS EN14385 10:02- 12:02	15.8	0.057	0.5 mg/m ³	17.02.10	BS EN14385 12:40- 14:40	16.7	0.036	0.5 mg/m ³
PAHs ^[7] ug/m ³	17.02.10	BSISO1133 13:33- 15:33	20	0.95	-	17.02.10	BSISO1133 10:08- 12:08	20.4	1588	-
PCBs ^[8] ng/m ³	18.02.10	BS EN 1948 09:17- 15:17	20.3	0.000438	-	16.02.10	BS EN 1948 11:46- 17:46	20.4	0.004188	-
Dioxins ^[9] ng/m ³	18.02.10	BS EN 1948 09:17- 15:17	21.1	0.0057	0.1 ng/m ³	16.02.10	BS EN 1948 11:46- 17:46	20.4	0.0441	0.1 ng/m ³

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	Test Date	Test Method & sample time	Uncertainty (%)	Result ^[1]	ELV ^[2]	Test Date	Test Method & sample time	Uncertainty (%)	Result ^[1]	ELV ^[2]
HF ^[3]	12.08.09	BSISO1573 12.51- 14.51	16.7	0.17 mg/m ³	2 mg/m ³	11.08.09	BSISO1571 3 14.29- 16.29	12.5	0.09 mg/m ³	2 mg/m ³
Cd + Tl ^[4]	13.08.09	BS EN14385 11.38- 13.38	20	0.0005 mg/m ³	0.05 mg/m ³	12.08.09	BS EN 14385 12.13- 14.13	0	0.001 mg/m ³	0.05 mg/m ³
Hg ^[5]	13.08.09	BS EN13211 11.38- 13.38	20	0.004 mg/m ³	0.05 mg/m ³	12.08.09	BS EN13211 12.13- 14.13	20	0.043 mg/m ³	0.05 mg/m ³
Metals ^[6]	13.08.09	BS EN14385 11.38- 13.38	17.4	0.029 mg/m ³	0.5 mg/m ³	12.08.09	BS EN14385 12.13- 14.13	25	0.023 mg/m ³	0.5 mg/m ³
PAHs ^[7]	12.08.09	BSISO1133 15.09- 17.09	20	1.38 mg/m ³	-	12.08.09	BSISO1133 09.58- 11.58	20.8	2.80 mg/m ³	-
PCBs ^[8]	13.08.09	BS EN 1948 09.46- 15.46	25	0.00029 mg/m ³	-	11.08.09	BS EN 1948 13.56- 19.56	16.7	0.0112 mg/m ³	-
Dioxins ^[9]	13.08.09	BS EN 1948 09.46- 15.46	25	0.0078 ng/m ³	0.1 ng/m ³	11.08.09	BS EN 1948 13.56- 19.56	20.8	0.0822 ng/m ³	0.1 ng/m ³

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