

Releases of Bottom Ash from the Primary & Secondary Incinerators

Reporting of Periodic Emissions Monitoring Data for period from January to March 2023

BOTTOM ASH Parameter	Primary Incinerator			Secondary Incinerator		
	Sample date	Result	Cumulative Average ^[1]	Sample date	Result	Cumulative Average ^[1]
Total Organic Carbon (%) ^[2]	27/2/23	0.58	1.2	27/2/23	0.72	1.1
Loss on ignition (%) ^{[2][3]}	27/2/23	2.6	4.7	27/2/23	2.2	6.8
Mercury ^[4]	27/2/23	0.1	0.7	27/2/23	0.15	0.6
Cadmium ^[4]	27/2/23	7.24	22.8	27/2/23	1.81	1.9
Thallium ^[4]	27/2/23	0.1	1.3	27/2/23	0.1	1.2
Antimony ^[4]	27/2/23	138.6	86.8	27/2/23	818.5	223.3
Arsenic ^[4]	27/2/23	39.9	19.0	27/2/23	20	6.7
Chromium ^[4]	27/2/23	118	90.5	27/2/23	1090	295.0
Cobalt ^[4]	27/2/23	79.8	28.6	27/2/23	26.1	12.6
Copper ^[4]	27/2/23	26500	2699.5	27/2/23	1220	2948.7
Lead ^[4]	27/2/23	4480	1224.0	27/2/23	24.3	387.3
Manganese ^[4]	27/2/23	999	666.3	27/2/23	767	612.0
Nickel ^[4]	27/2/23	191	80.2	27/2/23	783	223.2
Vanadium ^[4]	27/2/23	73.6	59.0	27/2/23	6.03	18.3
PCBs ^[5]	27/2/23	5	2.4	27/2/23	5	2.4
Dioxins ^[6]	27/2/23	12.05435	30.7	27/2/23	78.3533	106.1

[1] The cumulative average of all test results for the relevant parameter.
 [2] Expressed as a percentage of the dry weight of the ash.
 [3] Loss on ignition is only required to be tested if the Total Organic Carbon result is greater than 3% dry weight.
 [4] The total of the metal and its compounds, expressed as the metal.
 [5] PCBs means dioxin-like PCBs. [6] Dioxins means dioxins and furans.

Signed:..... *R. Keimmar*
 Authorised to sign on behalf of SITA Waste (Isle of Man) Limited
 Date:.....7/6/23.....

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