

**Releases of Bottom Ash from the Primary & Secondary Incinerators**

Reporting of Periodic Emissions Monitoring Data for period from July to September 2023

BOTTOM ASH Parameter	Primary Incinerator			Secondary Incinerator		
	Sample date	Result	Cumulative Average <sup>[1]</sup>	Sample date	Result	Cumulative Average <sup>[1]</sup>
Total Organic Carbon (%) <sup>[2]</sup>	9/8/23	0.96	1.2	18/8/23	1	1.1
Loss on ignition (%) <sup>[2][3]</sup>	9/8/23	3.2	4.6	18/8/23	4.3	6.7
Mercury <sup>[4]</sup>	9/8/23	0.1	0.7	18/8/23	0.16	0.6
Cadmium <sup>[4]</sup>	9/8/23	10.5	22.5	18/8/23	2.27	1.9
Thallium <sup>[4]</sup>	9/8/23	0.1	1.3	18/8/23	0.1	1.2
Antimony <sup>[4]</sup>	9/8/23	77.4	86.3	18/8/23	257.1	223.8
Arsenic <sup>[4]</sup>	9/8/23	32.2	19.2	18/8/23	20.9	6.9
Chromium <sup>[4]</sup>	9/8/23	92.1	90.7	18/8/23	655	299.9
Cobalt <sup>[4]</sup>	9/8/23	94.1	30.3	18/8/23	33.1	12.9
Copper <sup>[4]</sup>	9/8/23	2860	2686.3	18/8/23	1770	2932.8
Lead <sup>[4]</sup>	9/8/23	437	1203.8	18/8/23	492	388.7
Manganese <sup>[4]</sup>	9/8/23	619	668.3	18/8/23	542	611.0
Nickel <sup>[4]</sup>	9/8/23	91.9	81.2	18/8/23	596	228.3
Vanadium <sup>[4]</sup>	9/8/23	21.1	58.0	18/8/23	11.1	18.2
PCBs <sup>[5]</sup>	9/8/23	5	2.4	18/8/23	5	2.4
Dioxins <sup>[6]</sup>	9/8/23	7.24027	30.7	18/8/23	510.62077	111.6

[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. Weimar* .....  
 Authorised to sign on behalf of SITA Waste (Isle of Man) Limited  
 Date:.....19/9/23.....

Form Reference Number: **S3/L/1**  
 Version Number: 8  
 Date of Issue: 1<sup>st</sup> February 2023