

Releases of Bottom Ash from the Primary & Secondary Incinerators
Reporting of Periodic Emissions Monitoring Data for period from July - September 2021

Parameter	BOTTOM ASH						
	Primary Incinerator				Secondary Incinerator		
	Sample date	Result	Cumulative Average ^[1]		Sample date	Result	Cumulative Average ^[1]
Total Organic Carbon (%) ^[2]	25/8/21	1.23	1.3		22/9/21	0.44	1.1
Loss on ignition (%) ^{[2][3]}	25/8/21	4.7	4.8		22/9/21	1.8	7.0
Mercury ^[4] mg/Kg	25/8/21	0.15	0.8		22/9/21	0.1	0.6
Cadmium ^[4] mg/Kg	25/8/21	3.04	23.9		22/9/21	1	1.9
Thallium ^[4] mg/Kg	25/8/21	0.1	1.4		22/9/21	0.1	1.3
Antimony ^[4] mg/Kg	25/8/21	60.2	90.7		22/9/21	55.8	48.6
Arsenic ^[4] mg/Kg	25/8/21	20	18.3		22/9/21	20	5.7
Chromium ^[4] mg/Kg	25/8/21	89.6	90.4		22/9/21	736	263.9
Cobalt ^[4] mg/Kg	25/8/21	14.9	27.7		22/9/21	105	11.7
Copper ^[4] mg/Kg	25/8/21	3850	2068.7		22/9/21	2300	2977.5
Lead ^[4] mg/Kg	25/8/21	308	1215.3		22/9/21	83.9	408.7
Manganese ^[4] mg/Kg	25/8/21	569	655.6		22/9/21	463	617.8
Nickel ^[4] mg/Kg	25/8/21	60.3	79.1		22/9/21	318	198.1
Vanadium ^[4] mg/Kg	25/8/21	19.2	60.6		22/9/21	11.7	18.9
PCBs ^[5] ug/Kg	25/8/21	5	2.1		22/9/21	5	2.2
Dioxins ^[6] ng/Kg	25/8/21	3.77	25.6		22/9/21	4.9	84.2

[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.