

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

Parameter	BOTTOM ASH						
	Primary Incinerator				Secondary Incinerator		
	Sample date	Result	Cumulative Average ^[1]		Sample date	Result	Cumulative Average ^[1]
Total Organic Carbon (%) ^[2]	10/06/21	0.56	1.3		10/06/21	0.24	1.1
Loss on ignition (%) ^{[2][3]}	10/06/21	2.5	4.8		10/06/21	6.4	7.1
Mercury ^[4] mg/Kg	10/06/21	0.1	0.8		10/06/21	0.1	0.6
Cadmium ^[4] mg/Kg	10/06/21	12.6	24.2		10/06/21	2.11	2.0
Thallium ^[4] mg/Kg	10/06/21	0.1	1.4		10/06/21	0.1	1.3
Antimony ^[4] mg/Kg	10/06/21	71.4	91.2		10/06/21	68.2	48.5
Arsenic ^[4] mg/Kg	10/06/21	20	18.3		10/06/21	20	5.5
Chromium ^[4] mg/Kg	10/06/21	159	90.4		10/06/21	240	256.8
Cobalt ^[4] mg/Kg	10/06/21	34.1	27.9		10/06/21	20	10.3
Copper ^[4] mg/Kg	10/06/21	1610	2042.5		10/06/21	4420	2987.7
Lead ^[4] mg/Kg	10/06/21	843	1228.6		10/06/21	444	413.5
Manganese ^[4] mg/Kg	10/06/21	758	656.9		10/06/21	506	620.1
Nickel ^[4] mg/Kg	10/06/21	90	79.3		10/06/21	248	196.3
Vanadium ^[4] mg/Kg	10/06/21	24.2	61.2		10/06/21	6.8	19.0
PCBs ^[5] ug/Kg	10/06/21	5	2.1		10/06/21	5	2.2
Dioxins ^[6] ng/Kg	10/06/21	18.4	26.0		10/06/21	4.29	85.4

[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.