

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

	BOTTOM ASH						
	Primary Incinerator				Secondary Incinerator		
Parameter	Sample date	Result	Cumulative Average ^[1]		Sample date	Result	Cumulative Average ^[1]
Total Organic Carbon (%) ^[2]	11/11/2021	1.28	1.3		08/12/2021	0.73	1.1
Loss on ignition (%) ^{[2][3]}	11/11/2021	4.8	4.8		08/12/2021	2.4	6.9
Mercury ^[4] mg/Kg	11/11/2021	0.1	0.8		08/12/2021	0.1	0.6
Cadmium ^[4] mg/Kg	11/11/2021	30.7	24.0		08/12/2021	2.67	2.0
Thallium ^[4] mg/Kg	11/11/2021	0.1	1.4		08/12/2021	0.1	1.3
Antimony ^[4] mg/Kg	11/11/2021	0.1	89.4		08/12/2021	0.1	47.9
Arsenic ^[4] mg/Kg	11/11/2021	20	18.4		08/12/2021	20	6.0
Chromium ^[4] mg/Kg	11/11/2021	6.63	89.2		08/12/2021	127	261.9
Cobalt ^[4] mg/Kg	11/11/2021	19.9	27.6		08/12/2021	6.63	11.7
Copper ^[4] mg/Kg	11/11/2021	2290	2071.8		08/12/2021	3780	2989.2
Lead ^[4] mg/Kg	11/11/2021	416	1203.9		08/12/2021	80.1	403.9
Manganese ^[4] mg/Kg	11/11/2021	1020	660.8		08/12/2021	298	613.1
Nickel ^[4] mg/Kg	11/11/2021	56.7	78.7		08/12/2021	187	197.9
Vanadium ^[4] mg/Kg	11/11/2021	37.3	60.3		08/12/2021	9.48	18.7
PCBs ^[5] ug/Kg	11/11/2021	5	2.2		08/12/2021	5	2.3
Dioxins ^[6] ng/Kg	11/11/2021	80.1	26.4		08/12/2021	813	94.8

[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.