

Releases of Bottom Ash from the Primary & Secondary Incinerators
Reporting of Periodic Emissions Monitoring Data for period from January to March 2021

| Parameter | BOTTOM ASH | | | | | | |
|---|---------------------|--------|-----------------------------------|--|-----------------------|--------|-----------------------------------|
| | Primary Incinerator | | | | Secondary Incinerator | | |
| | Sample date | Result | Cumulative Average ^[1] | | Sample date | Result | Cumulative Average ^[1] |
| Total Organic Carbon (%) ^[2] | 08/03/21 | 0.82 | 1.3 | | 09/03/21 | 1.37 | 1.1 |
| Loss on ignition (%) ^{[2][3]} | 08/03/21 | 2.1 | 4.9 | | 09/03/21 | 4.4 | 7.1 |
| Mercury ^[4] mg/Kg | 08/03/21 | 0.1 | 0.8 | | 09/03/21 | 0.69 | 0.7 |
| Cadmium ^[4] mg/Kg | 08/03/21 | 7.83 | 24.4 | | 09/03/21 | 7.42 | 2.0 |
| Thallium ^[4] mg/Kg | 08/03/21 | 0.1 | 1.4 | | 09/03/21 | 0.1 | 1.4 |
| Antimony ^[4] mg/Kg | 08/03/21 | 55.5 | 91.5 | | 09/03/21 | 91.4 | 48.2 |
| Arsenic ^[4] mg/Kg | 08/03/21 | 20 | 18.3 | | 09/03/21 | 20 | 5.3 |
| Chromium ^[4] mg/Kg | 08/03/21 | 101 | 89.4 | | 09/03/21 | 330 | 257.1 |
| Cobalt ^[4] mg/Kg | 08/03/21 | 27.9 | 26.5 | | 09/03/21 | 10.7 | 10.0 |
| Copper ^[4] mg/Kg | 08/03/21 | 4210 | 2020.6 | | 09/03/21 | 4160 | 2868.3 |
| Lead ^[4] mg/Kg | 08/03/21 | 240 | 1260.1 | | 09/03/21 | 652 | 390.7 |
| Manganese ^[4] mg/Kg | 08/03/21 | 698 | 647.1 | | 09/03/21 | 544 | 391.8 |
| Nickel ^[4] mg/Kg | 08/03/21 | 187 | 79.2 | | 09/03/21 | 334 | 195.5 |
| Vanadium ^[4] mg/Kg | 08/03/21 | 66.6 | 61.8 | | 09/03/21 | 10.9 | 19.2 |
| PCBs ^[5] ug/Kg | 08/03/21 | 5 | 2.0 | | 09/03/21 | 5 | 2.1 |
| Dioxins ^[6] ng/Kg | 08/03/21 | 9.74 | 26.1 | | 09/03/21 | 5.4 | 86.6 |

[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.