Appendix ESSD C – Updated Table ESSD 1

Programme of environmental monitoring at the site

	Location	Frequency	Determinands
Surface water	Surface water monitoring locations S1 and S2 and proposed surface water monitoring locations S3 and S4 as shown on Figure ESSD 7.	Quarterly	Ammoniacal nitrogen, chloride, pH, electrical conductivity, visible oil/grease, suspended solids.
Groundwater	Groundwater monitoring boreholes G3 and G4 and groundwater monitoring location G1 until it is replaced by the proposed easterly groundwater monitoring borehole to the east of the site as shown on Figure ESSD 7.	Quarterly	Groundwater level. Ammoniacal nitrogen, chloride, pH, electrical conductivity, total organic carbon, sulphate, arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc.
Gas (gas monitoring boreholes internal to the waste following the installation of the boreholes)	In waste gas monitoring boreholes shown on Figure ESSD 7.	Six monthly	Methane, carbon dioxide, oxygen concentrations and the differential pressure.