

Dale Padfield
Senior Office / Industry and Waste Regulation
Natural Resources Wales
Rivers House
St Mellons Business Park
Fortran Rd, Cardiff
CF3 0EY

20th January 2025

Dear Mr Padfield

Ref: Sludge Analysis (Table S4.1 EPR Permit No. EP3738NG)


Please find enclosed the annual summary of sludge analysis for 2024 in line with condition 4.2.3 of EPR Permit No. EP3738NG.

Summary of Sludge Analysis 2024

Determinand	Units	March 2024	June 2024
Dry Matter	%	42.6	39.0
Conductivity 1:6	uS/cm	319	145
Total Nitrogen	% w/w	0.60	0.59
Total Carbon	% w/w	42.7	39.5
C:N Ratio		71:1	67:1
Total Phosphorus (P)	mg/kg	195	239
Total Potassium (K)	mg/kg	132	127
Total Magnesium (Mg)	mg/kg	315	242
Total Copper (Cu)	mg/kg	9.44	7.25
Total Zinc (Zn)	mg/kg	48.6	42.3
Total Sulphur (S)	mg/kg	1034	1034
Total Lead (Pb)	mg/kg	3.57	2.64
Total Cadmium (Cd)	mg/kg	<0.1	<0.1
Total Mercury (Hg)	mg/kg	<0.1	<0.1
Total Nickel (Ni)	mg/kg	4.18	3.67
Total Chromium (Cr)	mg/kg	21.0	22.0
pH		5.00	4.95
Lime Equivalent as CaCO ₃	% w/w	<2	<2
Neutralising Value as CaO equiva	% w/w	<1	<1

I trust the information and data provided meets with your requirements.

Yours sincerely,


Energy & Environment Manager