

Tony Leakey
PPC Compliance Officer
Natural Resources Wales
Maes Newydd
Llandarcy
Neath Port Talbot
SA10 6JQ

30th January 2024

Dear Mr Leakey

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

Please find enclosed the annual summary of sludge analysis for 2023 in line with condition 4.2.3 of EPR Permit No. EP3738NG.

Summary of Sludge Analysis 2023

Determinand	Units	April 2023	July 2023	August 2023	November 2023
Dry Matter	%	42.1	34.0	48.2	27.1
Conductivity 1:6	uS/cm	286	211	199	183
Total Nitrogen	% w/w	0.75	0.95	0.69	0.76
Total Carbon	% w/w	45.6	42.2	41.3	41.8
C:N Ratio		61:1	44:1	60:1	55:1
Total Phosphorus (P)	mg/kg	290	370	231	183
Total Potassium (K)	mg/kg	160	180	269	142
Total Magnesium (Mg)	mg/kg	230	320	190	190
Total Copper (Cu)	mg/kg	13.9	17.1	18.9	8.51
Total Zinc (Zn)	mg/kg	81.3	82.1	37.3	54.2
Total Sulphur (S)	mg/kg	1860	1590	909	808
Total Lead (Pb)	mg/kg	5.89	4.22	2.20	3.10
Total Cadmium (Cd)	mg/kg	<0.1	<0.1	<0.1	<0.1
Total Mercury (Hg)	mg/kg	<0.1	<0.1	<0.1	<0.1
Total Nickel (Ni)	mg/kg	5.76	5.41	4.32	9.51
Total Chromium (Cr)	mg/kg	28.4	21.2	16.8	20.1
pH		4.28	4.24	4.35	4.58
Lime Equivalent as CaCO ₃	% w/w	<2	<2	<2	<2
Neutralising Value as CaO equiva	% w/w	<1	<1	<1	<1

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

Yours sincerely,



Energy & Environment Manager