



WEPA UK Ltd · 4 Bridgend Paper Mill · Llangynwyd · Bridgend · Mid Glamorgan · South Wales · CF34 9RS

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

28th January 2021

Dear Mr Leakey

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

Please find enclosed the annual summary of sludge analysis for 2020 in line with condition 4.2.3 of EPR Permit No. EP3738NG.

Summary of Sludge Analysis 2020

Determinand	Units	January 2020	June 2020
Dry Matter	%	53.3	55.2
Conductivity 1:6	uS/cm	173	203
Total Nitrogen	% w/w	0.66	0.62
Total Carbon	% w/w	43.1	42.4
C:N Ratio		65:1	68:1
Total Phosphorus (P)	mg/kg	383	717
Total Potassium (K)	mg/kg	97.7	770
Total Magnesium (Mg)	mg/kg	362	395
Total Copper (Cu)	mg/kg	19.7	29.6
Total Zinc (Zn)	mg/kg	53.6	59.6
Total Sulphur (S)	mg/kg	1057	1434
Total Lead (Pb)	mg/kg	3.90	3.05
Total Cadmium (Cd)	mg/kg	0.13	<0.1
Total Mercury (Hg)	mg/kg	0.13	<0.1
Total Nickel (Ni)	mg/kg	5.30	3.73
Total Chromium (Cr)	mg/kg	24.4	18.5
pH		3.84	5.52
Lime Equivalent as CaCO3	% w/w	<2	<0.01
Neutralising Value as CaO equiva	% w/w	<1	<0.01

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

Yours sincerely,

Richard Lewis
Energy & Environment Manager