



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

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

25th November 2020

Dear Mr Leakey

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

Please find enclosed the annual summary of sludge analysis for 2019 in line with condition 4.2.3 of EPR Permit No. EP3738NG.

Summary of Sludge Analysis 2019

Determinand	Units	Q1 2019	Q2 2019	Q3 2019	Q4 2019
Dry Matter	%	41.5	46.8	47.3	53.3
Conductivity 1:6	uS/cm	204	214	136	173
Total Nitrogen	% w/w	0.75	0.87	1.01	0.66
Total Carbon	% w/w	43.86	37.2	43.7	43.1
C:N Ratio		58:1	43:1	43:1	65:1
Total Phosphorus (P)	mg/kg	637	993	1142	383
Total Potassium (K)	mg/kg	58.2	723	103	97.7
Total Magnesium (Mg)	mg/kg	368	794	344	362
Total Copper (Cu)	mg/kg	18.4	89.7	28.4	19.7
Total Zinc (Zn)	mg/kg	48.9	112	78.4	53.6
Total Sulphur (S)	mg/kg	1270	1737	1536	1057
Total Lead (Pb)	mg/kg	2.93	18.2	3.78	3.9
Total Cadmium (Cd)	mg/kg	0.116	0.192	<0.1	0.13
Total Mercury (Hg)	mg/kg	<0.1	<0.1	0.13	0.13
Total Nickel (Ni)	mg/kg	3.57	15.5	6.8	5.3
Total Chromium (Cr)	mg/kg	17.4	35.3	31	24.4
pH		4.6	4.3	4.9	3.84
Lime Equivalent as CaCO ₃	% w/w	<0.01	<0.01	<2	<2
Neutralising Value as CaO equiva	% w/w	<0.01	<0.01	<1	<1

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

Richard Lewis
Energy & Environment Manager

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