

Permit Number : BT4885IT

Operator : UPM-Kymmene UK Ltd

Facility : Shotton Paper Mill

Form Number : Residue 1

Reporting of residue quality for the period from1st April 2018.....to30th June 2018

Ash Composition (TOC/LOI)		
	LOI (%)	% Carbon (TOC) ^{w/w}
Bottom Ash	<1.0	*

- At least one of LOI or TOC to be reported.

Ash Composition (Metals, Dioxins, etc.)																
	Cd mg/kg	TI mg/kg	Hg mg/kg	Pb mg/kg	Cr mg/kg	Cu mg/kg	Mn mg/kg	Ni mg/kg	As mg/kg	Co mg/kg	V mg/kg	Zn Mg/kg g	DIOXIN	WHO-TEQ ng/kg		
													I-TEQ ng/kg			
															Humans mammals	
Fish													Birds	13.5		
Bottom Ash	<0.1	<1	<0.1	171	246	659	284	20.9	47.9	6.5	17	349	0.853	1.02	1.38	1.12
APC Residues	3.8	<1	<0.1	800	135	854	594	30.9	86	11.9	26	1887	14.1	13.2	34.7	13.5

Signed Date 18/7/18

(authorised to sign as representative of UPM-Kymmene UK Ltd)