

Permit Number : BT4885IT

Operator : UPM-Kymmene UK Ltd

Facility : Shotton Paper Mill

Form Number : Residue 1

Reporting of residue quality for the period from1st July 2017to30th September 2017

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	DIOXIN I-TEQ ng/kg	DIOXIN		
														WHO-TEQ ng/kg		
														Humans mammals	Birds	Fish
Bottom Ash	0.4	<1	<0.1	113	210	345	385	22.5	38.2	6.4	17	967	0.81	0.918	1.260	0.972
APC Residues	5	<1	0.1	1053	124	540	696	34.4	68.2	14	28	1867	19.4	18.8	52.2	20.2

Signed

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

Date15/10/17.....