

Permit Number : BT4885IT

Operator : UPM-Kymmene UK Ltd

Facility : Shotton Paper Mill

Form Number : Performance 1

Reporting of WID Performance Indicators for the year 2017

Quarterly Performance Parameters (WID Plant)	Units	Qtr 1	Qtr 2	Qtr 3	Qtr 4
Mass of bottom/fly ash produced	Kg/tonne of waste incinerated (dry basis)	33.4	25.97	26.93	28.55
Mass of combustor ash residues produced	Kg/tonne of waste incinerated (dry basis)	189.04	181.05	207.75	181.32
Water consumption	M ³ /tonne of waste incinerated (dry basis)	3.71	4.48	3.76	3.44
Ammonia / Urea consumption	Kg/tonne of waste incinerated	1.34	1.62	1.25	1.87
Electricity consumption	MWhr/tonne of waste incinerated (dry basis)	.137	.147	.145	.137
Natural gas consumption	Tonne/tonne of waste incinerated (dry basis)	.131	.112	.062	.044
Periods of WID Abnormal Operation	Number of Occasions	1	1	1	0
	Cumulative Hours for Current Calendar Year	0.5	2	3	3

Annual Production/Treatment		
RCF (De-inking sludge) waste incinerated		55337 Tonnes
Biomass incinerated		39264 Tonnes
Waste wood incinerated		110784 Tonnes
Waste not otherwise specified incinerated		0 Tonnes
Thermal energy produced e.g. steam	LCP Plant	69828 Mwhrs
	WID Plant	251767 MWhrs
Power Generated		183254 MWhrs

Operator's comments :

Natural gas consumption specified in Mwhr / tonne of waste incinerated and NOT tonne / tonne.

Signed.....
(authorised to sign as representative of UPM Kymmene Limited)

Date..... 5/4/18