

Permit Number : BT4885IT

Operator : UPM-Kymmene UK Ltd

Facility : Shotton Paper Mill

Form Number : Performance 1

Reporting of WID Performance Indicators for the year 2018

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)	31.41	27.19	28.78	30.68
Mass of combustor ash residues produced	Kg/tonne of waste incinerated (dry basis)	206.6	203.88	180.41	171.42
Water consumption	M ³ /tonne of waste incinerated (dry basis)	3.33	2.66	2.77	2.47
Ammonia / Urea consumption	Kg/tonne of waste incinerated	1.6	1.42	1.00	1.17
Electricity consumption	MW/hr/tonne of waste incinerated (dry basis)	0.10	0.110	0.116	0.124
Natural gas consumption	Tonne/tonne of waste incinerated (dry basis)	0.06	0.291	0.116	0.124
Periods of WID Abnormal Operation	Number of Occasions	2	5	3	2
	Cumulative Hours for Current Calendar Year	2	20	29.5	32

Annual Production/Treatment		
RCF (De-inking sludge) waste incinerated		59,799 Tonnes
Biomass incinerated		40,490 Tonnes
Waste wood incinerated		114,390 Tonnes
Waste not otherwise specified incinerated		0 Tonnes
Thermal energy produced e.g. steam	LCP Plant	29,168 Mwhrs
	WID Plant	511689 MWhrs
Power Generated		157,306 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.....1/2/19