Permit Number : BT4885IT

Operator : UPM-Kymmene UK Ltd

Facility : Shotton Paper Mill

Form Number : Performance 3

Reporting of other performance indicators for the period year 2018

Parameter Water	Units Total m3/pa	M3/t	Methodology Measured or calculated
Water Inputs to the Mill [3]			
Surface Water (actual not licensed) eg: river water	4446802	17.394	Measured
Ground Water (actual not licensed) eg: borehole	0		
Mains Water (only report if used in the pulp and paper manufacturing process)	0	0	Measured
Other Water (eg: if rain water harvesting is practised)	0		
Water used in manufacturing [3]			
Cooling water (once through hybrid systems)	0		
Process Water	0		
Other water used in manufacturing			
Other inputs of water / moisture			
Pulp or other fibre or wood X% moisture content[2]			
Waste paper for recycling at X% moisture content[2]			
Water Outputs [3]			
Waste water discharge to surface water NB: this figure should be the one used to report water usage per tonne as per BREF benchmarks under BATC No.5 and should exclude site drainage and cooling water	3355927	13.54	Measured
Waste Water discharged to sewer	0	0	
Losses to evaporation			
Losses in final product at Y% moisture content[2]			
Losses in major waste stream outputs at Y% moisture content such as sludge [2]			
Losses in major waste stream outputs at X% moisture content such as rejects (EWC 03 03 07)[2]			

Parameter Waste	Units Total tonnes /pa	Methodology Measured or calculated
Waste / raw material inputs (other than those reported via quarterly waste returns		
Pulp		
Starch and main fillers		
Other significant raw material inputs if > 1000 tonnes		
Waste / raw material outputs (other than those reported via quarterly waste returns)		
Production (Net annual production reported as total as defined in the BREF BATCs[1])	247937	

Notes:

1. (i) For paper mills: the unpacked, saleable production after the last slitter, ie before converting. (ii) For off-line coaters: production after coating. (iii) For tissue mills: saleable production after the tissue machine before any rewinding processes and excluding any core. iv) For market pulps mills: production after packing (ADt). (v) For integrated mills: Net pulp, production refers to the production after packing (ADt) plus the pulp transferred to the paper mill (pulp calculated a t90% dryness i.e air dry). Net paper production: same as (i)
2. X% and Y% moisture content, is defined as the average moisture content over the 12 month period. Monitoring frequency and test method (in the absence of any EN standard test method) determined by each mill but to be noted on the return for each input/output
3. All parameters in **bold text** are required to be reported on, others are optional

Operator's comments

Signed..... *Date*.....12/2/19

(Authorised to sign as representative of UPM-Kymmene Ltd)