

Permit Reference Number : BT4885IT

Operator : UPM-Kymmene UK Ltd

Facility : Shotton Paper Mill

Form Number : S1

Reporting of Emissions to Sewer for the period from 01/04/2019 to 01/07/2019

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method	Sample Date and Times ^[2]	Uncertainty ^[3]
E1	Volumetric Flow	300m ³ /day 24 hour period beginning 00:01	144	BS3680	07/04/19	
E1	pH	6(min) Instantaneous	6.49	BS 1647-2:1984	07/04/19	
E1	pH	9(max) Instantaneous	7.43	BS 1647-2:1984	07/04/19	
E1	Total suspended solids as defined by Directive 91/271/EEC	30mg/l for 95% of all measured values of periodic or flow proportional samples taken over one year. ¹	14.0	BS EN 872	07/04/19	
E1	Total suspended solids as defined by Directive 91/271/EEC	45mg/l periodic sample ¹	14.0	BS EN 872	07/04/19	
E1	Mercury and its compounds, expressed as mercury (Hg)	0.03 mg/l 24-hour flow proportional sample	0.0051 mg/L	BS EN 1483	07/04/19	
E1	Cadmium and its compounds, expressed as cadmium (Cd)	0.05 mg/l 24-hour flow proportional sample	0.0002 mg/L	BS 6068-2:89	07/04/19	
E1	Thallium and its compounds, expressed as thallium (Tl)	0.05 mg/l 24-hour flow proportional sample	<0.001 mg/L	BS 6068-2:89	07/04/19	
E1	Arsenic and its compounds, expressed as arsenic (As)	0.15 mg/l 24-hour flow proportional sample	0.002 mg/L	BS 6068-2:60	07/04/19	
E1	Lead and its compounds, expressed as lead (Pb)	0.2 mg/l 24-hour flow proportional sample	0.005 mg/L	BS 6068-2:60	07/04/19	
E1	Chromium and its compounds, expressed as chromium (Cr)	0.5 mg/l 24-hour flow proportional sample	0.003 mg/L	BS 6068-2:60	07/04/19	
E1	Copper and its compounds, expressed as copper (Cu)	0.5 mg/l 24-hour flow proportional sample	0.01 mg/L	BS 6068-2:60	07/04/19	
E1	Nickel and its compounds, expressed as nickel (Ni)	0.5 mg/l 24-hour flow proportional sample	0.003 mg/L	BS 6068-2:60	07/04/19	

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method	Sample Date and Times ^[2]	Uncertainty ^[3]
E1	Zinc and its compounds, expressed as Zinc (Zn)	1.5 mg/l 24-hour flow proportional sample	0.037 mg/L	BS 6068-2.60	07/04/19	
E1	Dioxins / Furans (I-TEQ)	0.3 ng/l – at least one measurement every six months	-	BS ISO 18703	Reported Q1	

1. The result given is the maximum value obtained during the reporting period, expressed in the same terms as the emission limit value.
2. The date and time of measurements and the percentage of the process operating time covered by the result shall be given.
3. The uncertainty associated with the reported result at the 95% confidence interval, unless otherwise stated.

Signed Date 10/8/19

(authorised to sign as representative of UPM-Kymmene UK