

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 01/07/2019 to 01/10/2019

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	240	BS3680	11/09/19	
E1	pH	6(min) Instantaneous	6.5	BS 1647-2:1984	06/07/19	
E1	pH	9(max) Instantaneous	8.19	BS 1647-2:1984	17/07/19	
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	27 mg/l	BS EN 872	24/7/19	
E1	Total suspended solids as defined by Directive 91/271/EEC	45mg/l periodic sample ¹	27 mg/l	BS EN 872	24/7/19	
E1	Mercury and its compounds, expressed as mercury (Hg)	0.03 mg/l 24-hour flow proportional sample	0.00637	BS EN 1483		
E1	Cadmium and its compounds, expressed as cadmium (Cd)	0.05 mg/l 24-hour flow proportional sample	0.0003	BS 6068-2.89		
E1	Thallium and its compounds, expressed as thallium (Tl)	0.05 mg/l 24-hour flow proportional sample	<0.001	BS 6068-2.89		
E1	Arsenic and its compounds, expressed as arsenic (As)	0.15 mg/l 24-hour flow proportional sample	0.004	BS 6068-2.60		
E1	Lead and its compounds, expressed as lead (Pb)	0.2 mg/l 24-hour flow proportional sample	0.017	BS 6068-2.60		
E1	Chromium and its compounds, expressed as chromium (Cr)	0.5 mg/l 24-hour flow proportional sample	0.002	BS 6068-2.60		
E1	Copper and its compounds, expressed as copper (Cu)	0.5 mg/l 24-hour flow proportional sample	0.014	BS 6068-2.60		
E1	Nickel and its compounds, expressed as nickel (Ni)	0.5 mg/l 24-hour flow proportional sample	0.004	BS 6068-2.60		
E1	Zinc and its compounds, expressed as Zinc (Zn)	1.5 mg/l 24-hour flow proportional sample	0.086	BS 6068-2.60		

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E1	Dioxins / Furans (I-TEQ)	0.3 ng/l – at least one measurement every six months		BS 18703 ISO		

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 quoted result at the 95% confidence interval, unless otherwise stated.



Date.....5/11/19

Signed

(authorised to sign as representative of UPM-Kymmene UK Lt