

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 1st October 2015 to 31st December 2015

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	129.6	BS3680	23/11/15	
E1	pH	6(min) Instantaneous	7.43	BS 1647-2:1984	11/11/15	
E1	pH	9(max) Instantaneous	8.55	BS 1647-2:1984	25/10/15	
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	5.1	BS EN 872		
E1	Total suspended solids as defined by Directive 91/271/EEC	45mg/l periodic sample ¹	9	BS EN 872	19/11/15	18.4%
E1	Mercury and its compounds, expressed as mercury (Hg)	0.03 mg/l 24-hour flow proportional sample	0.001	BS EN 1483	11/10/15	5.7%
E1	Cadmium and its compounds, expressed as cadmium (Cd)	0.05 mg/l 24-hour flow proportional sample	0.0014	BS 6068-2.89	11/10/15	4.8%
E1	Thallium and its compounds, expressed as thallium (Tl)	0.05 mg/l 24-hour flow proportional sample	0.001	BS 6068-2.89	11/10/15	2.5%
E1	Arsenic and its compounds, expressed as arsenic (As)	0.15 mg/l 24-hour flow proportional sample	0.039	BS 6068-2.60	09/11/15	4.8%
E1	Lead and its compounds, expressed as lead (Pb)	0.2 mg/l 24-hour flow proportional sample	0.006	BS 6068-2.60	09/11/15	3.6%
E1	Chromium and its compounds, expressed as chromium (Cr)	0.5 mg/l 24-hour flow proportional sample	0.052	BS 6068-2.60	09/11/15	5.6%
E1	Copper and its compounds, expressed as copper (Cu)	0.5 mg/l 24-hour flow proportional sample	0.011	BS 6068-2.60	09/11/15	4.2%

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method	Sample Date and Times ^[2]	Uncertainty ^[3]
E1	Nickel and its compounds, expressed as nickel (Ni)	0.5 mg/l 24-hour flow proportional sample	0.024	BS 6068-2.60	09/11/15	3.6%
E1	Zinc and its compounds, expressed as Zinc (Zn)	1.5 mg/l 24-hour flow proportional sample	0.065	BS 6068-2.60	11/10/15	5.9%
E1	Dioxins / Furans (I-TEQ)	0.3 ng/l – at least one measurement every six months	0.000	BS ISO 18703	19/11/15	15%

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.

Signed Date 18/11/15

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