

Permit Reference Number : BT4885IT

Facility : Shotton Paper Mill

Operator : UPM-Kymmene UK Ltd

Form Number : S1

Reporting of Emissions to Sewer for the period from 01 July 2016 to 30 September 2016

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	275	BS3680	20/07/16	
E1	pH	6(min) Instantaneous	6.6	BS 1647-2:1984	29/09/16	
E1	pH	9(max) Instantaneous	7.2	BS 1647-2:1984	22/08/16	
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	18	CWC5	14/08/16	
E1	Total suspended solids as defined by Directive 91/271/EEC	45mg/l periodic sample ¹	36		14/07/16	
E1	Mercury and its compounds, expressed as mercury (Hg)	0.03 mg/l 24-hour flow proportional sample	0.0108	AN47a	13/07/16	14.8
E1	Cadmium and its compounds, expressed as cadmium (Cd)	0.05 mg/l 24-hour flow proportional sample	0.0026	AN47a	29/09/16	14.1
E1	Thallium and its compounds, expressed as thallium (Tl)	0.05 mg/l 24-hour flow proportional sample	0.0011	AN47f	29/09/16	11.76
E1	Arsenic and its compounds, expressed as arsenic (As)	0.15 mg/l 24-hour flow proportional sample	0.0123	AN47e	29/09/16	14.1
E1	Lead and its compounds, expressed as lead (Pb)	0.2 mg/l 24-hour flow proportional sample	0.0031	AN47a	29/09/16	5.4
E1	Chromium and its compounds, expressed as chromium (Cr)	0.5 mg/l 24-hour flow proportional sample	0.0091	AN47a	13/07/16	4.5
E1	Copper and its compounds, expressed as copper (Cu)	0.5 mg/l 24-hour flow proportional sample	0.0237	AN47b	24/08/16	11.5

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	0.0152	AN47b	29/09/16	5.1
E1	Zinc and its compounds, expressed as Zinc (Zn)	1.5 mg/l 24-hour flow proportional sample	0.162	AN47g	24/08/16	7.5
E1	Dioxins / Furans (I-TEQ)	0.3 ng/l – at least one measurement every six months				

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 11/11/16
 (authorised to sign as representative of UPM-Kymmene UK Lt