

Permit Reference Number : BT48851T

Operator : UPM-Kymmene UK Ltd

Facility : Shotton Paper Mill

Form Number : S1

Reporting of Emissions to Sewer for the period from 01st October 2016 to 31st December 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	276	BS3680	05/11/2016	
E1	pH	6(min) Instantaneous	6.15	BS 1647-2:1984	10/10/2016	
E1	pH	9(max) Instantaneous	7.752	BS 1647-2:1984	26/12/2016	
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	15	CWC5		
E1	Total suspended solids as defined by Directive 91/271/EEC	45mg/l periodic sample ¹	31		13/12/2016	
E1	Mercury and its compounds, expressed as mercury (Hg)	0.03 mg/l 24-hour flow proportional sample	0.007	AN47a	29/12/16	14.8
E1	Cadmium and its compounds, expressed as cadmium (Cd)	0.05 mg/l 24-hour flow proportional sample	0.0018	AN47a	05/10/16	14.1
E1	Thallium and its compounds, expressed as thallium (Tl)	0.05 mg/l 24-hour flow proportional sample	0.005	AN47f	05/10/16	11.76
E1	Arsenic and its compounds, expressed as arsenic (As)	0.15 mg/l 24-hour flow proportional sample	0.0116	AN47e	05/10/16	14.1
E1	Lead and its compounds, expressed as lead (Pb)	0.2 mg/l 24-hour flow proportional sample	0.0017	AN47a	29/12/16	5.4
E1	Chromium and its compounds, expressed as chromium (Cr)	0.5 mg/l 24-hour flow proportional sample	0.0255	AN47a	29/12/16	4.5
E1	Copper and its compounds, expressed as copper (Cu)	0.5 mg/l 24-hour flow proportional sample	0.0214	AN47b	05/10/16	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	0.0249	AN47b	05/10/16	5.1
E1	Zinc and its compounds, expressed as Zinc (Zn)	1.5 mg/l 24-hour flow proportional sample	0.271	AN47g	05/10/16	7.5
E1	Dioxins / Furans (I-TEQ)	0.3 ng/l – at least one measurement every six months	0.028		28/10/16	

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 24/11
 (authorised to sign as representative of UPM-Kymmene UK Lt