

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 January 2017 to 31 March 2017

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	288	BS3680	14/03/17	
E1	pH	6(min) Instantaneous	6.43	BS 1647-2:1984	06/02/17	
E1	pH	9(max) Instantaneous	8.94	BS 1647-2:1984	12/01/17	
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		Reportable Annually		
E1	Total suspended solids as defined by Directive 91/271/EEC	45mg/l periodic sample ¹	40	TM37/PM0	01/02/17	+/- 10%
E1	Mercury and its compounds, expressed as mercury (Hg)	0.03 mg/l 24-hour flow proportional sample	0.00284	TM61/PM38	09/03/17	+/- 10%
E1	Cadmium and its compounds, expressed as cadmium (Cd)	0.05 mg/l 24-hour flow proportional sample	0.00009	AN47a	27/01/17	14.1
E1	Thallium and its compounds, expressed as thallium (Tl)	0.05 mg/l 24-hour flow proportional sample	0.0005	AN47f	27/01/17	11.76
E1	Arsenic and its compounds, expressed as arsenic (As)	0.15 mg/l 24-hour flow proportional sample	0.0297	AN47e	27/01/17	14.1
E1	Lead and its compounds, expressed as lead (Pb)	0.2 mg/l 24-hour flow proportional sample	0.00079	AN47a	27/01/17	5.4
E1	Chromium and its compounds, expressed as chromium (Cr)	0.5 mg/l 24-hour flow proportional sample	0.0369	AN47a	27/01/17	4.5
E1	Copper and its compounds, expressed as copper (Cu)	0.5 mg/l 24-hour flow proportional sample	0.012	TM30/PM14	09/03/17	+/- 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	0.0051	TM30/PM14	09/03/17	+/- 5%
E1	Zinc and its compounds, expressed as Zinc (Zn)	1.5 mg/l 24-hour flow proportional sample	0.0218	TM30/PM14	09/03/17	+/- 5%
E1	Dioxins / Furans (I-TEQ)	0.3 ng/l – at least one measurement every six months	0.0009	subcontracted	09/02/17	

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 22/4/17
 (authorised to sign as representative of UPM-Kymmene UK Lt