

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 April 2017 to 30 June 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	216	BS3680	19/05/17	
E1	pH	6(min) Instantaneous	7.4	BS 1647-2:1984	06/06/17 @ 21.50	
E1	pH	9(max) Instantaneous	8.55	BS 1647-2:1984	15/05/17 @ 10.40	
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	Annual			
E1	Total suspended solids as defined by Directive 91/271/EEC	45mg/l periodic sample ¹	40	30/06/17		
E1	Mercury and its compounds, expressed as mercury (Hg)	0.03 mg/l 24-hour flow proportional sample	0.00386	TM61/PM38	15/06/17	+/- 10%
E1	Cadmium and its compounds, expressed as cadmium (Cd)	0.05 mg/l 24-hour flow proportional sample	<0.0009	TM30/PM14	04/05/17	+/- 5%
E1	Thallium and its compounds, expressed as thallium (Tl)	0.05 mg/l 24-hour flow proportional sample	0.0016	TM30/PM14	04/05/17	+/- 5%
E1	Arsenic and its compounds, expressed as arsenic (As)	0.15 mg/l 24-hour flow proportional sample	0.0251	TM30/PM14	06/04/17	+/- 5%
E1	Lead and its compounds, expressed as lead (Pb)	0.2 mg/l 24-hour flow proportional sample	0.0025	TM30/PM14	15/06/17	+/- 5%
E1	Chromium and its compounds, expressed as chromium (Cr)	0.5 mg/l 24-hour flow proportional sample	0.0393	TM30/PM14	04/05/17	+/- 10%
E1	Copper and its compounds, expressed as copper (Cu)	0.5 mg/l 24-hour flow proportional sample	0.015	TM30/PM14	15/06/17	+/- 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	0.0038	TM30/PM14	04/05/17	+/- 5%
E1	Zinc and its compounds, expressed as Zinc (Zn)	1.5 mg/l 24-hour flow proportional sample	0.0193	TM30/PM14	06/04/17	+/- 5%
E1	Dioxins / Furans (I-TEQ)	0.3 ng/l – at least one measurement every six months		subcontracted		

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: 27/7/17

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