

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 2018 to 30 June 2018

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	289	BS3680	02/05/18	+/- 2%
E1	pH	6(min) Instantaneous	6.47	BS 1647-2:1984	14/05/18 @ 15.00	+/- 2%
E1	pH	9(max) Instantaneous	8.76	BS 1647-2:1984	24/04/18 @ 18.00	+/- 2%
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				
E1	Total suspended solids as defined by Directive 91/271/EEC	45mg/l periodic sample ¹	43	TM37/PM0	14/05/18	+/- 10%
E1	Mercury and its compounds, expressed as mercury (Hg)	0.03 mg/l 24-hour flow proportional sample	0.00017	TM61/PM38	10/05/18	+/- 10%
E1	Cadmium and its compounds, expressed as cadmium (Cd)	0.05 mg/l 24-hour flow proportional sample	<0.00003	TM30/PM14	10/05/18	+/- 5%
E1	Thallium and its compounds, expressed as thallium (Tl)	0.05 mg/l 24-hour flow proportional sample	<0.0009	TM30/PM14	10/05/18	+/- 5%
E1	Arsenic and its compounds, expressed as arsenic (As)	0.15 mg/l 24-hour flow proportional sample	0.0218	TM30/PM14	14/06/18	+/- 5%
E1	Lead and its compounds, expressed as lead (Pb)	0.2 mg/l 24-hour flow proportional sample	0.0058	TM30/PM14	14/06/18	+/- 5%
E1	Chromium and its compounds, expressed as chromium (Cr)	0.5 mg/l 24-hour flow proportional sample	0.0077	TM30/PM14	10/05/18	+/- 10%

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method	Sample Date and Times ^[2]	Uncertainty ^[3]
E1	Copper and its compounds, expressed as copper (Cu)	0.5 mg/l 24-hour flow proportional sample	0.016	TM30/PM14	14/06/18	+/- 5%
E1	Nickel and its compounds, expressed as nickel (Ni)	0.5 mg/l 24-hour flow proportional sample	0.0039	TM30/PM14	05/04/18	+/- 5%
E1	Zinc and its compounds, expressed as Zinc (Zn)	1.5 mg/l 24-hour flow proportional sample	0.0296	TM30/PM14	05/04/18	+/- 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 18/12/18
 (authorised to sign as representative of UPM-Kymmene UK Lt