

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 01 October 2017 to 30 December 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	203	BS3680		5/12/17
E1	pH	6(min) Instantaneous	6.63	BS 1647-2:1984		2/11/17
E1	pH	9(max) Instantaneous	8.01	BS 1647-2:1984		4/10/17
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	96.74%	TM37/PM0	28/12/17	
E1	Total suspended solids as defined by Directive 91/271/EEC	45mg/l periodic sample ¹	43			30/12/17
E1	Mercury and its compounds, expressed as mercury (Hg)	0.03 mg/l 24-hour flow proportional sample	0.00031	TM61/PM38	05/10/17	+/- 10%
E1	Cadmium and its compounds, expressed as cadmium (Cd)	0.05 mg/l 24-hour flow proportional sample	<0.0009	TM30/PM14	05/10/17	+/- 5%
E1	Thallium and its compounds, expressed as thallium (Tl)	0.05 mg/l 24-hour flow proportional sample	<0.0009	TM30/PM14	05/10/17	+/- 5%
E1	Arsenic and its compounds, expressed as arsenic (As)	0.15 mg/l 24-hour flow proportional sample	0.0141	TM30/PM14	05/10/17	+/- 5%
E1	Lead and its compounds, expressed as lead (Pb)	0.2 mg/l 24-hour flow proportional sample	<0.0004	TM30/PM14	05/10/17	+/- 5%
E1	Chromium and its compounds, expressed as chromium (Cr)	0.5 mg/l 24-hour flow proportional sample	0.0185	TM30/PM14	05/10/17	+/- 10%
E1	Copper and its compounds, expressed as copper (Cu)	0.5 mg/l 24-hour flow proportional sample	0.013	TM30/PM14	05/10/17	+/- 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	03/11/17	+/- 5%
E1	Zinc and its compounds, expressed as Zinc (Zn)	1.5 mg/l 24-hour flow proportional sample	0.0259	TM30/PM14	03/11/17	+/- 5%
E1	Dioxins / Furans (I-TEQ)	0.3 ng/l – at least one measurement every six months	0.0009			

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 20/11/18
 (authorised to sign as representative of UPM-Kymmene UK Lt