

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 1<sup>st</sup> January 2016 to 31<sup>st</sup> March 2016

Emission Point	Substance / Parameter	Emission Limit Value	Result <sup>[1]</sup>	Test Method	Sample Date and Times <sup>[2]</sup>	Uncertainty <sup>[3]</sup>
E1	Volumetric Flow	300m <sup>3</sup> /day 24 hour period beginning 00:01	134	BS3680	08/03/2016	
E1	pH	6(min) Instantaneous	6.45	BS 1647-2:1984	29/03/2016 23.10	
E1	pH	9(max) Instantaneous	8.77	BS 1647-2:1984	30/03/2016 18.35	
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. <sup>1</sup>	35	BS EN 872	Average over Q1	18.4%
E1	Total suspended solids as defined by Directive 91/271/EEC	45mg/l periodic sample <sup>1</sup>	22.2	BS EN 872	28/03/2016	18.4%
E1	Mercury and its compounds, expressed as mercury (Hg)	0.03 mg/l 24-hour flow proportional sample	0.008	BS EN 1483	16/03/2016	5.7%
E1	Cadmium and its compounds, expressed as cadmium (Cd)	0.05 mg/l 24-hour flow proportional sample	0.0013	BS 6068-2.89	16/03/2016	4.8%
E1	Thallium and its compounds, expressed as thallium (Tl)	0.05 mg/l 24-hour flow proportional sample	0.001	BS 6068-2.89	16/03/2016	2.5%
E1	Arsenic and its compounds, expressed as arsenic (As)	0.15 mg/l 24-hour flow proportional sample	0.024	BS 6068-2.60	19/01/2016	4.8%
E1	Lead and its compounds, expressed as lead (Pb)	0.2 mg/l 24-hour flow proportional sample	0.047	BS 6068-2.60	16/03/2016	3.6%
E1	Chromium and its compounds, expressed as chromium (Cr)	0.5 mg/l 24-hour flow proportional sample	0.039	BS 6068-2.60	16/03/2016	5.6%
E1	Copper and its compounds, expressed as copper (Cu)	0.5 mg/l 24-hour flow proportional sample	0.032	BS 6068-2.60	19/01/2016	4.2%

Emission Point	Substance / Parameter	Emission Limit Value	Result <sup>(1)</sup>	Test Method	Sample Date and Times <sup>(2)</sup>	Uncertainty <sup>(3)</sup>
E1	Nickel and its compounds, expressed as nickel (Ni)	0.5 mg/l 24-hour flow proportional sample	0.02	BS 6068-2.60	16/03/2016	3.6%
E1	Zinc and its compounds, expressed as Zinc (Zn)	1.5 mg/l 24-hour flow proportional sample	0.121	BS 6068-2.60	19/01/2016	5.9%
E1	Dioxins / Furans (-TEQ)	0.3 ng/l – at least one measurement every six months	N/A	BS ISO 18703		

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 9/5/16 .....

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