

Permit Reference Number : BT4885JT

Operator : UPM-Kymmene UK Ltd

Facility : Shotton Paper Mill

Form Number : S1

Reporting of Emissions to Sewer for the period from 01 January 2018 to 31 March 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	265	BS3680	06/01/2018	
E1	pH	6(min) Instantaneous	6.81	BS 1647-2:1984	21/02/2018	
E1	pH	9(max) Instantaneous	8.38	BS 1647-2:1984	21/01/2018	
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	99.98%>30	TM37/PM0		
E1	Total suspended solids as defined by Directive 91/271/EEC	45mg/l periodic sample ¹	41		06/03/18	
E1	Mercury and its compounds, expressed as mercury (Hg)	0.03 mg/l 24-hour flow proportional sample	0.00085	TM61/PM38	04/01/18	+/- 10%
E1	Cadmium and its compounds, expressed as cadmium (Cd)	0.05 mg/l 24-hour flow proportional sample	<0.00003	TM30/PM14	04/01/18	+/- 5%
E1	Thallium and its compounds, expressed as thallium (Tl)	0.05 mg/l 24-hour flow proportional sample	<0.0009	TM30/PM14	04/01/18	+/- 5%
E1	Arsenic and its compounds, expressed as arsenic (As)	0.15 mg/l 24-hour flow proportional sample	0.0269	TM30/PM14	04/01/18	+/- 5%
E1	Lead and its compounds, expressed as lead (Pb)	0.2 mg/l 24-hour flow proportional sample	<0.0004	TM30/PM14	04/01/18	+/- 5%
E1	Chromium and its compounds, expressed as chromium (Cr)	0.5 mg/l 24-hour flow proportional sample	0.0606	TM30/PM14	08/02/18	+/- 10%
E1	Copper and its compounds, expressed as copper (Cu)	0.5 mg/l 24-hour flow proportional sample	0.018	TM30/PM14	04/01/18	+/- 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	0.0049	TM30/PM14	04/01/18	+/- 5%
E1	Zinc and its compounds, expressed as Zinc (Zn)	1.5 mg/l 24-hour flow proportional sample	0.0116	TM30/PM14	08/03/18	+/- 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 24/4/18
 (authorised to sign as representative of UPM-Kymmene UK Lt