Permit Reference Number : BT4885IT

Operator : UPM-Kymmene UK Ltd

Facility : Shotton Paper Mill

Form Number : S1

Reporting of Emissions to Sewer for the period from 01 October 2018 to 31 December 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	199	BS3680	30/11/2018	
E1	pH	6(min) Instantaneous	6.97	BS 1647-2:1984	01/12/18	
E1	pH	9(max) Instantaneous	8.2	BS 1647-2:1984	23/10/2018 (20.30)	
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]	21.17	TM37/PM0	06/12/18	*+/- 10%*
E1	Total suspended solids as defined by Directive 91/271/EEC	45mg/l periodic sample[1]	39	TM37/PM0	23/11/18	
E1	Mercury and its compounds, expressed as mercury (Hg)	0.03 mg/l 24-hour flow proportional sample	0.00011	TM61/PM38	01/11/18	*+/- 10%*
E1	Cadmium and its compounds, expressed as cadmium (Cd)	0.05 mg/l 24-hour flow proportional sample	<0.00003	TM30/PM14	01/11/18	*+/- 5%*
E1	Thallium and its compounds, expressed as thallium (Tl)	0.05 mg/l 24-hour flow proportional sample	<0.0009	TM30/PM14	01/11/18	*+/- 5%*
E1	Arsenic and its compounds, expressed as arsenic (As)	0.15 mg/l 24-hour flow proportional sample	0.0035	TM30/PM14	04/10/18	*+/- 5%*
E1	Lead and its compounds, expressed as lead (Pb)	0.2 mg/l 24-hour flow proportional sample	<0.0004	TM30/PM14	01/11/18	*+/- 5%*
E1	Chromium and its compounds, expressed as chromium (Cr)	0.5 mg/l 24-hour flow proportional sample	0.0031	TM30/PM14	06/12/18	*+/- 10%*
E1	Copper and its compounds, expressed as copper (Cu)	0.5 mg/l 24-hour flow proportional sample	0.014	TM30/PM14	06/12/18	*+/- 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	0.003	TM30/PM14	06/12/18	+/- 5%
E1	Zinc and its compounds, expressed as Zinc (Zn)	1.5 mg/l 24-hour flow proportional sample	0.0301	TM30/PM14	01/11/18	+/- 5%
E1	Dioxins / Furans (I-TEQ)	0.3 ng/l – at least one measurement every six months	0.0059	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 8/2/19

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