

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 January 2019 to 31 March 2019

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	270	BS3680	11/01/2019	
E1	pH	6(min) Instantaneous	6.91	BS 1647-2:1984	13/02/2019	
E1	pH	9(max) Instantaneous	7.89	BS 1647-2:1984	22/02/2019	
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	30	99.92% below 30mg/l		
E1	Total suspended solids as defined by Directive 91/271/EEC	45mg/l periodic sample ¹	43		20/02/2019	+/- 10%
E1	Mercury and its compounds, expressed as mercury (Hg)	0.03 mg/l 24-hour flow proportional sample	0.00079	TM61/PM38	07/03/19	+/- 10%
E1	Cadmium and its compounds, expressed as cadmium (Cd)	0.05 mg/l 24-hour flow proportional sample	0.00048	TM30/PM14	07/03/19	+/- 5%
E1	Thallium and its compounds, expressed as thallium (Tl)	0.05 mg/l 24-hour flow proportional sample	0.0012	TM30/PM14	07/02/19	+/- 5%
E1	Arsenic and its compounds, expressed as arsenic (As)	0.15 mg/l 24-hour flow proportional sample	0.0063	TM30/PM14	07/03/19	+/- 5%
E1	Lead and its compounds, expressed as lead (Pb)	0.2 mg/l 24-hour flow proportional sample	<0.0004	TM30/PM14	07/03/19	+/- 5%
E1	Chromium and its compounds, expressed as chromium (Cr)	0.5 mg/l 24-hour flow proportional sample	0.005	TM30/PM14	07/03/19	+/- 10%
E1	Copper and its compounds, expressed as copper (Cu)	0.5 mg/l 24-hour flow proportional sample	0.015	TM30/PM14	07/03/19	+/- 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	0.0034	TM30/PM14	07/02/19	+/- 5%
E1	Zinc and its compounds, expressed as Zinc (Zn)	1.5 mg/l 24-hour flow proportional sample	0.0545	TM30/PM14	03/01/19	+/- 5%
E1	Dioxins / Furans (I-TEQ)	0.3 ng/l – at least one measurement every six months	0.00216	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.....26/4/19.....

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