Permit Number: BT4885IT
UK Ltd

Operator: UPM-Kymmene

Facility: Shotton Paper Mill

Form Number: W1

Reporting of emissions to water (other than to sewer) for the quarter from 01 October 2018 to 31st December 2018

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
W1	BOD	25 mg/l	Weekly	21	BS EN 1899-1 (1998)	28/11/2018	
W1	Total suspended solids	60 mg/l	Weekly. For 95% of all measured values of periodic samples taken over one month	27	BS EN 872	18/11/2018	
W1	pH max	9	Instantaneous	8.1	BS6068-2.50	7/11/2018	
W1	pH min	6	Instantaneous	6.9	BS6068-2.50	18/11/18	
W1	COD	-	Spot	123		10/12/2018	
W1	Ammoniacal Nitrogen	4 mg/l	Spot	0.42	TM38/PM0	22/11/18	+/- 15%
W1	Temperature degrees Celsius	25° Celsius	Continuous	18.2		02/10/2018	
W1	Total Phosphorus	-	Spot	1.7	TM30/PM14	12/10/18	+/- 10%
W1	Maximum instantaneous Flow rate	800 l/s	24 hour period beginning 00:01	700		11/10/2018	

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
W1	Maximum Daily Flow	22,000 m^3/day	Instantaneous	14810		09/11/2018	
W1	Maximum Tidal Flow	11,000 m^3/tide	Instantaneous	7290		24/11/2018	
W1	Cd (µg/m^3)	-	Oct-Dec 2018	<0.03 ug/l	TM30/PM14	01/11/18	+/- 5%
W1	Hg (µg/m^3)	-	Oct-Dec 2018	0.03 ug/l	TM30/PM14	01/11/18	+/- 10%
W1	Fe (mg/m^3)	-	Oct-Dec 2018	75.2 ug/l	TM30/PM14	01/11/18	+/- 5%
W1	Mn (mg/m^3)	-	Oct-Dec 2018	15.2 ug/l	TM30/PM14	01/11/18	+/- 10%
W1	Zn (mg/m^3)	-	Oct-Dec 2018	9.1 ug/l	TM30/PM14	01/11/18	+/- 5%
W1	As (mg/m^3)	-	Oct-Dec 2018	<0.9 ug/l	TM30/PM14	01/11/18	+/- 5%
W1	Cu (mg/m^3)	-	Oct-Dec 2018	<3 ug/l	TM30/PM14	01/11/18	+/- 5%
W1	Cr (mg/m^3)	-	Oct-Dec 2018	1.3 ug/l	TM30/PM14	01/11/18	+/- 10%
W1	Ni (mg/m^3)	-	Oct-Dec 2018	2.0 ug/l	TM30/PM14	01/11/18	+/- 5%
W1	Pb (mg/m^3)	-	Oct-Dec 2018	<0.4 ug/l	TM30/PM14	01/11/18	+/- 5%

The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
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 Operator)