

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 July 2018 to 30 September 2018

Emission Point	Substance / Parameter	Emission		Reference Period	Result <sup>[1]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
		Limit Value	Rate					
W1	BOD	25 mg/l		Weekly	6	BS EN 1899-1 (1998)	22/08/18	
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		
W1	pH max	9		Instantaneous	7.9	BS6068-2.50	7/9/18	
W1	pH min	6		Instantaneous	7.2	BS6068-2.50	19/9/18	
W1	COD	-		Spot	112		23/08/18	
W1	Ammoniacal Nitrogen	4 mg/l		Spot	1.24	TM38/PM0	24/08/18	+/- 15%
W1	Temperature degrees Celsius	25° Celsius		Continuous	26		3/7/18	
W1	Total Phosphorus	-		Spot	1.9	TM30/PM14	24/08/18	+/- 10%
W1	Maximum instantaneous Flow rate	800 l/s		24 hour period beginning 00:01	690		4/9/18	

Emission Point	Emission		Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
	Substance / Parameter	Limit Value					
W1	Maximum Daily Flow	22,000 m <sup>3</sup> /day	Instantaneous	14124		27/09/18	
W1	Maximum Tidal Flow	11,000 m <sup>3</sup> /tide	Instantaneous	9678		06/08/18	
W1	Cd (µg/m <sup>3</sup> )	-	Jul-Sept 2018	<0.03 ug/l	TM30/PM14	02/08/18	+/- 5%
W1	Hg (µg/m <sup>3</sup> )	-	Jul-Sept 2018	<0.01 ug/l	TM30/PM14	02/08/18	+/- 10%
W1	Fe (mg/m <sup>3</sup> )	-	Jul-Sept 2018	85.8 ug/l	TM30/PM14	02/08/18	+/- 5%
W1	Mn (mg/m <sup>3</sup> )	-	Jul-Sept 2018	6.8 ug/l	TM30/PM14	02/08/18	+/- 10%
W1	Zn (mg/m <sup>3</sup> )	-	Jul-Sept 2018	8.7 ug/l	TM30/PM14	02/08/18	+/- 5%
W1	As (mg/m <sup>3</sup> )	-	Jul-Sept 2018	6.8 ug/l	TM30/PM14	02/08/18	+/- 5%
W1	Cu (mg/m <sup>3</sup> )	-	Jul-Sept 2018	<3 ug/l	TM30/PM14	02/08/18	+/- 5%
W1	Cr (mg/m <sup>3</sup> )	-	Jul-Sept 2018	2.4 ug/l	TM30/PM14	02/08/18	+/- 10%
W1	Ni (mg/m <sup>3</sup> )	-	Jul-Sept 2018	1.6 ug/l	TM30/PM14	02/08/18	+/- 5%
W1	Pb (mg/m <sup>3</sup> )	-	Jul-Sept 2018	<0.4 ug/l	TM30/PM14	02/08/18	+/- 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 25/10/18 (Authorised to sign as representative of Operator)