

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 1<sup>st</sup> October 2015 to 31<sup>st</sup> December 2015**

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	Result					
W1	BOD	25 mg/l		Weekly	12	BS EN 1899-1 (1998)	12/10/15 @19.00	
W1	Total suspended solids	60 mg/l		Weekly. For 95% of all measured values of periodic samples taken over one month	0.38	BS EN 872		
W1	pH max	9		Instantaneous	8.1	BS6068-2.50	23/11/15	
W1	pH min	6		Instantaneous	7	BS6068-2.50	6/10/15	
W1	COD	-		Spot	137		20/11/15	
W1	Ammoniacal Nitrogen	4 mg/l		Spot	4		4/10/15	
W1	Temperature degrees Celsius	25° Celsius		Continuous	17		6/10/15	
W1	Total Phosphorus	-		Spot	1.1	BS EN 872	04/10/15	
W1	Maximum instantaneous Flow rate	800 l/s		24 hour period beginning 00:01	732		16/11/15	
W1	Maximum Daily Flow	22,000 m <sup>3</sup> /day		Instantaneous	12970		11/12/15	
W1	Maximum Tidal Flow	11,000 m <sup>3</sup> /tide		Instantaneous	7881		19/10/15	
W1	Cd (µg/m <sup>3</sup> )	-			100	BS 6068-2.89	1/11/15	4.8
W1	Hg (µg/m <sup>3</sup> )	-			400	BS 6068-2.89	1/11/15	5.7
W1	Fe (mg/m <sup>3</sup> )	-			290	BS 6068-2.89	1/11/15	4.8
W1	Mn (mg/m <sup>3</sup> )	-			13	BS 6068-2.89	1/11/15	5.6
W1	Zn (mg/m <sup>3</sup> )	-			13	BS 6068-2.89	1/11/15	5.9

Emission Point	Emission		Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
	Substance / Parameter	Limit Value					
W1	As (mg/m <sup>3</sup> )	-		6	BS 6068-2.89	1/11/15	4.8
W1	Cu (mg/m <sup>3</sup> )	-		2	BS 6068-2.89	1/11/15	4.2
W1	Cr (mg/m <sup>3</sup> )	-		1	BS 6068-2.89	1/11/15	5.6
W1	Ni (mg/m <sup>3</sup> )	-		4	BS 6068-2.89	1/11/15	3.6
W1	Pb (mg/m <sup>3</sup> )	-		1	BS 6068-2.89	1/11/15	3.6

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 .....  
 (Authorised to sign as representative of Operator)

Date: 18/1/15.....