

Permit Number: BT4885IT

Operator: UPM-Kymmene UK Ltd

Facility: Shotton Paper Mill

Form Number:

W1

Reporting of emissions to water (other than to sewer) for the quarter from 1st April 2016 to 30th June 2016

Emission Point		Substance / Parameter	Emission Limit Value		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
W1	Biological Oxygen Demand	25 mg/l			Weekly	15	BS EN 1899-1 (1998)	04/04/16	
W1	Total suspended solids	60 mg/l			Weekly. For 95% of all measured values of periodic samples taken over one month	36	BS EN 872	15/04/16 @ 07.00	
W1	pH max	9			Instantaneous	8.4	BS6068-2.50	24/05/16 @ 19.00	
W1	pH min	6			Instantaneous	7.1	BS6068-2.50	07/06/16 @ 07.00	
W1	COD	-			Spot	98		12/06/16 @ 13.05	
W1	Ammoniacal Nitrogen	4 mg/l			Spot	1.89		13/06/16	
W1	Temperature degrees Celsius	25° Celsius			Continuous				
W1.	Total Phosphorus	-			Spot	0.96		18/05/16	
W1	Total Nitrogen				Spot	<10		Throughout period	
W1	Maximum instantaneous Flow rate	800 l/s			24 hour period beginning 00:01	693		14/06/16 @ 01.14	
W1	Maximum Daily Flow	22,000 m³/day			Instantaneous	10200		05/06/16	
W1	Maximum Tidal Flow	11,000 m³/tide			Instantaneous	6153		05/06/16 @ 07.00	
W1	Cd (µg/m³)	-			Q2 April to June	<0.05		24/04/2016	
W1	Hg (µg/m³)	-			Q2 April to June	490	AN47a	22/04/16	
W1	Fe (mg/m³)	-			Q2 April to June	117	AN47g	22/04/16	
W1	Mn (mg/m³)	-			Q2 April to June	9.98	AN47b	24/04/16	

Emission		Substance / Parameter	Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
Emission Point								
W1	Zn (mg/m ³)	-	-	Q2 April to June	10.9	AN47g	24/04/16	
W1	As (mg/m ³)	-	-	Q2 April to June	4.52	AN47e	22/04/16	
W1	Cu (mg/m ³)	-	-	Q2 April to June	1.27	AN47b	22/04/16	
W1	Cr (mg/m ³)	-	-	Q2 April to June	1.62	AN47a	24/04/16	
W1	Ni (mg/m ³)	-	-	Q2 April to June	3.54	AN47b	24/04/16	
W1	Pb (mg/m ³)	-	-	Q2 April to June	0.85	AN47a	24/04/16	

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.....10/08/16.....