

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	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
	Substance / Parameter	Limit Value					
W1	Biological Oxygen Demand	25 mg/l	Weekly	15	BS EN 1899-1 (1998)	15/08/16/	
W1	Total suspended solids	60 mg/l	Weekly. For 95% of all measured values of periodic samples taken over one month	21	BS EN 872	19/08/16	
W1	pH max	9	Instantaneous	8.2	BS6068-2.50	19/08/16	
W1	pH min	6	Instantaneous	6.9	BS6068-2.50	08/08/16	
W1	COD	-	Spot	112		13/07/16	
W1	Ammoniacal Nitrogen	4 mg/l	Spot	0.98	HAC9b	13/07/16	4.1
W1	Temperature degrees Celsius	25° Celsius	Continuous	25.9		19/07/16	
W1	Total Phosphorus	-	Spot	2.05	AN10a	19/07/16	10.3
W1	Total Nitrogen		Spot	3.9	HAC9b	08/08/16	
W1	Maximum instantaneous Flow rate	800 l/s	24 hour period beginning 00:01	689		29/07/16	
W1	Maximum Daily Flow	22,000 m ³ /day	Instantaneous	14690		26/07/16	
W1	Maximum Tidal Flow	11,000 m ³ /tide	Instantaneous	8754		29/08/16	
W1	Cd (µg/m ³)	-	Q3 July to Sept	<0.05	AN47a	13/07/2016	14.1
W1	Hg (µg/m ³)	-	Q3 July to Sept	.28	AN47a	13/07/2016	14.8
W1	Fe (mg/m ³)	-	Q3 July to Sept	123	AN47g	13/07/2016	5.6

Emission Point	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
	Substance / Parameter	Limit Value					
W1	Mn (mg/m ³)	-	Q3 July to Sept	14.78	AN47b	13/07/2016	5.9
W1	Zn (mg/m ³)	-	Q3 July to Sept	9.1	AN47g	13/07/2016	7.5
W1	As (mg/m ³)	-	Q3 July to Sept	4.79	AN47e	13/07/2016	14.1
W1	Cu (mg/m ³)	-	Q3 July to Sept	1.00	AN47b	13/07/2016	11.5
W1	Cr (mg/m ³)	-	Q3 July to Sept	1.25	AN47a	13/07/2016	4.5
W1	Ni (mg/m ³)	-	Q3 July to Sept	3.15	AN47b	13/07/2016	5.1
W1	Pb (mg/m ³)	-	Q3 July to Sept	1.07	AN47a	13/07/2016	5.4

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..... 1/11/16
(Authorised to sign as representative of Operator)