

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 October 2016 to 31st December 2016

Emission Point	Substance / Parameter	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value						
W1	Biological Oxygen Demand	25 mg/l		Weekly	6	BS EN 1899-1 (1998)	18/11/2016	
W1	Total suspended solids	60 mg/l		Weekly. For 95% of all measured values of periodic samples taken over one month	32	BS EN 872	24/11/2016	
W1	pH max	9		Instantaneous	8	BS6068-2.50	04/10/2016	
W1	pH min	6		Instantaneous	7.0	BS6068-2.50	12/12/2016	
W1	COD	-		Spot	137		04/11/2016	
W1	Ammoniacal Nitrogen	4 mg/l		Spot	2.24	HAC9b	26/12/2016	4.1
W1	Temperature degrees Celsius	25° Celsius		Continuous	16		04/11/2016	
W1	Total Phosphorus	-		Spot	2.54	AN10a	12/12/2016	10.3
W1	Total Nitrogen			Spot		HAC9b		
W1	Maximum instantaneous Flow rate	800 l/s		24 hour period beginning 00:01	720		17/12/2016	
W1	Maximum Daily Flow	22,000 m ³ /day		Instantaneous	10180		29/10/2016	
W1	Maximum Tidal Flow	11,000 m ³ /tide		Instantaneous	6140		22/11/2016	
W1	Cd (µg/m ³)	-		Q4 2016	<0.05	AN47a	05/10/16	14.1
W1	Hg (µg/m ³)	-		Q4 2016	0.23	AN47a	05/10/16	14.8
W1	Fe (mg/m ³)	-		Q4 2016	144l	AN47g	05/10/16	5.6
W1	Mn (mg/m ³)	-		Q4 2016	11l	AN47b	05/10/16	5.9

Emission Point	Substance / Parameter	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value						
W1	Zn (mg/m ³)	-		Q4 2016	12.5	AN47g	05/10/16	7.5
W1	As (mg/m ³)	-		Q4 2016	4.86	AN47e	05/10/16	14.1
W1	Cu (mg/m ³)	-		Q4 2016	0.87	AN47b	05/10/16	11.5
W1	Cr (mg/m ³)	-		Q4 2016	0.86	AN47a	05/10/16	4.5
W1	Ni (mg/m ³)	-		Q4 2016	4.0	AN47b	05/10/16	5.1
W1	Pb (mg/m ³)	-		Q4 2016	0.55	AN47a	05/10/16	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
(Authorised to sign as representative of Operator)

Date.....

24/2/17