

Permit Number:
UK Ltd

BT4885IT

Operator: UPM-Kymmene

Facility:

Shotton Paper Mill

Form Number:

W1

Reporting of emissions to water (other than to sewer) for the quarter from 01 October 2017 to 30 December 2017

Emission								
Emission Point	Substance / Parameter	Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]	
W1	BOD	25 mg/l	Weekly	7	BS EN 1899-1 (1998)	20/11/2017		
W1	Total suspended solids	60 mg/l	Weekly. For 95% of all measured values of periodic samples taken over one month	38	BS EN 872			
W1	pH max	9	Instantaneous	8.6	BS6068-2.50	17/11/2017		
W1	pH min	6	Instantaneous	7.1	BS6068-2.50	19/12/2017		
W1	COD	-	Spot	4		15/12/17		
W1	Ammoniacal Nitrogen	4 mg/l	Spot	0.26	TM38/PM0	15/12/17	+/- 15%	
W1	Temperature degrees Celsius	25° Celsius	Continuous	18.6		14/10/2017		
W1	Total Phosphorus	-	Spot	0.5	TM30/PM14	18/11/17	+/- 10%	
W1	Maximum instantaneous Flow rate	800 l/s	24 hour period beginning 00:01	676		22/11/2017		

Emission								
Emission Point	Substance / Parameter	Limit Value	Reference Period		Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
W1	Maximum Daily Flow	22,000 m³/day	Instantaneous		13010		22/11/2017	
W1	Maximum Tidal Flow	11,000 m³/tide	Instantaneous		8835		28/12/2017	
W1	Cd (µg/m³)	-	Oct-Dec 2017		<0.03 ug/l	TM30/PM14	03/11/17	+/- 5%
W1	Hg (µg/m³)	-	Oct-Dec 2017		0.11 ug/l	TM30/PM14	03/11/17	+/- 10%
W1	Fe (mg/m³)	-	Oct-Dec 2017		122 ug/l	TM30/PM14	03/11/17	+/- 5%
W1	Mn (mg/m³)	-	Oct-Dec 2017		11.9 ug/l	TM30/PM14	03/11/17	+/- 10%
W1	Zn (mg/m³)	-	Oct-Dec 2017		11.2 ug/l	TM30/PM14	03/11/17	+/- 5%
W1	As (mg/m³)	-	Oct-Dec 2017		<0.9 ug/l	TM30/PM14	03/11/17	+/- 5%
W1	Cu (mg/m³)	-	Oct-Dec 2017		<3 ug/l	TM30/PM14	03/11/17	+/- 5%
W1	Cr (mg/m³)	-	Oct-Dec 2017		2.8 ug/l	TM30/PM14	03/11/17	+/- 10%
W1	Ni (mg/m³)	-	Oct-Dec 2017		3.2 ug/l	TM30/PM14	03/11/17	+/- 5%
W1	Pb (mg/m³)	-	Oct-Dec 2017		<0.4 ug/l	TM30/PM14	03/11/17	+/- 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..... 20/1/18