

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 01 January 2018 to 31 March 2018

Emission Point	Emission				Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
	Substance / Parameter	Limit Value	Reference Period					
W1	BOD	25 mg/l	Weekly		8	BS EN 1899-1 (1998)	02/03/2018	
W1	Total suspended solids	60 mg/l	Weekly. For 95% of all measured values of periodic samples taken over one month		37	BS EN 872		
W1	pH max	9	Instantaneous		8.4	BS6068-2.50	02/01/2018	
W1	pH min	6	Instantaneous		7.7	BS6068-2.50	07/02/2018	
W1	COD	-	Spot		122		08/01/2018	
W1	Ammoniacal Nitrogen	4 mg/l	Spot		1.28 mg/l	TM38/PM0	15/03/18	+/- 15%
W1	Temperature degrees Celsius	25° Celsius	Continuous		13.6		26/03/2018	
W1	Total Phosphorus	-	Spot		1.2 mg/l	TM30/PM14	10/01/18	+/- 10%
W1	Maximum instantaneous Flow rate	800 l/s	24 hour period beginning 00:01		672		01/03/2018	

Emission Point	Emission		Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
	Substance / Parameter	Limit Value					
W1	Maximum Daily Flow	22,000 m ³ /day	Instantaneous	15940		16/03/2018	
W1	Maximum Tidal Flow	11,000 m ³ /tide	Instantaneous	9929		17/01/2018	
W1	Cd (µg/m ³)	-	Jan-Mar 2018	<0.03 ug/l	TM30/PM14	01/02/18	-/- 5%
W1	Hg (µg/m ³)	-	Jan-Mar 2018	<0.01 ug/l	TM30/PM14	01/02/18	+/- 10%
W1	Fe (mg/m ³)	-	Jan-Mar 2018	97.9 ug/l	TM30/PM14	01/02/18	-/- 5%
W1	Mn (mg/m ³)	-	Jan-Mar 2018	4.4 ug/l	TM30/PM14	01/02/18	+/- 10%
W1	Zn (mg/m ³)	-	Jan-Mar 2018	13.1 ug/l	TM30/PM14	01/02/18	-/- 5%
W1	As (mg/m ³)	-	Jan-Mar 2018	12 ug/l	TM30/PM14	01/02/18	-/- 5%
W1	Cu (mg/m ³)	-	Jan-Mar 2018	<3 ug/l	TM30/PM14	01/02/18	-/- 5%
W1	Cr (mg/m ³)	-	Jan-Mar 2018	0.9 ug/l	TM30/PM14	01/02/18	+/- 10%
W1	Ni (mg/m ³)	-	Jan-Mar 2018	3 ug/l	TM30/PM14	01/02/18	-/- 5%
W1	Pb (mg/m ³)	-	Jan-Mar 2018	<0.4 ug/l	TM30/PM14	01/02/18	-/- 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
(Authorised to sign as representative of Operator)

Date: 24/4/18