

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 January 2017 to 31 March 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	11	BS EN 1899-1 (1998)	29/03/2014	
W1	Total suspended solids	60 mg/l	Weekly. For 95% of all measured values of periodic samples taken over one month	22	BS EN 872	13/02/2017	
W1	pH max	9	Instantaneous	7.9	BS6068-2.50	30/03/2017	
W1	pH min	6	Instantaneous	6.9	BS6068-2.50	20/02/2017	
W1	COD	-	Spot	183		13/01/2017	
W1	Ammoniacal Nitrogen	4 mg/l	Spot	0.44	TM38/PM0	30/03/17	+/- 15%
W1	Temperature degrees Celsius	25° Celsius	Continuous	15.4		31/03/2017	
W1	Total Phosphorus	-	Spot	1.44	AN10a	02/01/17	10.3
W1	Maximum instantaneous Flow rate	800 l/s	24 hour period beginning 00:01	675		02/01/2017	

Emission Point	Substance / Parameter	Emission		Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		Limit Value						
W1	Maximum Daily Flow	22,000 m ³ /day	Instantaneous	12620			30/01/2017	
W1	Maximum Tidal Flow	11,000 m ³ /tide	Instantaneous	7212			22/02/2017	
W1	Cd (µg/m ³)	-	Jan-Mar 2017	<0.05 ug/l	AN47a		12/01/17	14.1
W1	Hg (µg/m ³)	-	Jan-Mar 2017	0.27 ug/l	AN47a		12/01/17	14.8
W1	Fe (mg/m ³)	-	Jan-Mar 2017	223 ug/l	AN47g		12/01/17	5.6
W1	Mn (mg/m ³)	-	Jan-Mar 2017	18 ug/l	AN47b		12/01/17	5.9
W1	Zn (mg/m ³)	-	Jan-Mar 2017	17.5 ug/l	AN47g		12/01/17	7.5
W1	As (mg/m ³)	-	Jan-Mar 2017	6.3 ug/l	AN47e		12/01/17	14.1
W1	Cu (mg/m ³)	-	Jan-Mar 2017	2.5 ug/l	AN47b		12/01/17	11.5
W1	Cr (mg/m ³)	-	Jan-Mar 2017	1.8 ug/l	AN47a		12/01/17	4.5
W1	Ni (mg/m ³)	-	Jan-Mar 2017	4.0 ug/l	AN47b		12/01/17	5.1
W1	Pb (mg/m ³)	-	Jan-Mar 2017	4.2 ug/l	AN47a		12/01/17	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

27/4/17

Date.....