

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 April 2018 to 30 June 2018

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)	02/05/2018 @09.00	
W1	Total suspended solids	60 mg/l	Weekly. For 95% of all measured values of periodic samples taken over one month	33	BS EN 872	25/04/2018 @07.00	
W1	pH max	9	Instantaneous	8.1	BS6068-2.50	22/04/2018 @07.00	
W1	pH min	6	Instantaneous	7	BS6068-2.50	05/06/2018 @01.00	
W1	COD	-	Spot	139		30/06/2018 @07.00	
W1	Ammoniacal Nitrogen	4 mg/l	Spot	0.42 mg/l	TM38/PM0	24/05/18	+/- 15%
W1	Temperature degrees Celsius	25° Celsius	Continuous	24		07/06/2018 @07.00	
W1	Total Phosphorus	-	Spot	0.86 mg/l	TM30/PM14	17/05/18	+/- 10%
W1	Maximum instantaneous Flow rate	800 l/s	24 hour period beginning 00:01	684		06/06/2018 @13.20	

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	14450		08/06/2018		
W1	Maximum Tidal Flow	11,000 m³/tide	Instantaneous	9932		23/05/2018		
W1	Cd (µg/m³)	-	Jan-Mar 2018	<0.03 ug/l	TM30/PM14	26/04/18	+/- 5%	
W1	Hg (µg/m³)	-	Jan-Mar 2018	0.05 ug/l	TM30/PM14	26/04/18	+/- 10%	
W1	Fe (mg/m³)	-	Jan-Mar 2018	52.6 ug/l	TM30/PM14	26/04/18	+/- 5%	
W1	Mn (mg/m³)	-	Jan-Mar 2018	<1.5 ug/l	TM30/PM14	26/04/18	+/- 10%	
W1	Zn (mg/m³)	-	Jan-Mar 2018	15.1 ug/l	TM30/PM14	26/04/18	+/- 5%	
W1	As (mg/m³)	-	Jan-Mar 2018	<0.9 ug/l	TM30/PM14	26/04/18	+/- 5%	
W1	Cu (mg/m³)	-	Jan-Mar 2018	8 ug/l	TM30/PM14	26/04/18	+/- 5%	
W1	Cr (mg/m³)	-	Jan-Mar 2018	0.2 ug/l	TM30/PM14	26/04/18	+/- 10%	
W1	Ni (mg/m³)	-	Jan-Mar 2018	1 ug/l	TM30/PM14	26/04/18	+/- 5%	
W1	Pb (mg/m³)	-	Jan-Mar 2018	<0.4 ug/l	TM30/PM14	26/04/18	+/- 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

Date... 18/7/18

(Authorised to sign as representative of Operator)