

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 2019 to 31st March 2019

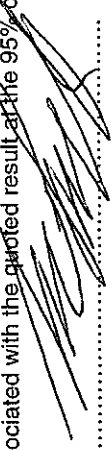
Emission Point	Emission				Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
	Substance / Parameter	Limit Value	Reference Period					
W1	BOD	25 mg/l	Weekly	7	BS EN 1899-1 (1998)	11/01/2019		
W1	Total suspended solids	60 mg/l	Weekly. For 95% of all measured values of periodic samples taken over one month	36	BS EN 872	03/01/2019		
W1	pH max	9	Instantaneous	8	BS6068-2.50	15/01/2019		
W1	pH min	6	Instantaneous	7	BS6068-2.50	30/03/2019		
W1	COD	-	Spot	99		01/02/2019		
W1	Ammoniacal Nitrogen	4 mg/l	Spot	0.25	TM38/PM0	24/01/2019	+/- 15%	
W1	Temperature degrees Celsius	25° Celsius	Continuous	18				
W1	Total Phosphorus	-	Spot	1.2	TM30/PM14	15/01/2019	+/- 10%	
W1	Maximum instantaneous Flow rate	800 l/s	24 hour period beginning 00:01	690		18/02/2019		

Emission Point	Substance / Parameter	Emission		Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		Limit Value	Flow					
W1	Maximum Daily Flow	22,000 m ³ /day	Instantaneous	14500	MCERTS Flow	30/01/2019		
W1	Maximum Tidal Flow	11,000 m ³ /tide	Instantaneous	7532	MCERTS Flow	22/01/2019		
W1	Cd (µg/m ³)	-	Jan-Mar 2019	<0.03 ug/l	TM30/PM14	01/02/19	+/- 5%	
W1	Hg (µg/m ³)	-	Jan-Mar 2019	0.13 ug/l	TM30/PM14	01/02/19	+/- 10%	
W1	Fe (mg/m ³)	-	Jan-Mar 2019	126.9 ug/l	TM30/PM14	01/02/19	+/- 5%	
W1	Mn (mg/m ³)	-	Jan-Mar 2019	18.2 ug/l	TM30/PM14	01/02/19	+/- 10%	
W1	Zn (mg/m ³)	-	Jan-Mar 2019	11.9 ug/l	TM30/PM14	01/02/19	+/- 5%	
W1	As (mg/m ³)	-	Jan-Mar 2019	2.2 ug/l	TM30/PM14	01/02/19	+/- 5%	
W1	Cu (mg/m ³)	-	Jan-Mar 2019	<3 ug/l	TM30/PM14	01/02/19	+/- 5%	
W1	Cr (mg/m ³)	-	Jan-Mar 2019	2.2 ug/l	TM30/PM14	01/02/19	+/- 10%	
W1	Ni (mg/m ³)	-	Jan-Mar 2019	2.3 ug/l	TM30/PM14	01/02/19	+/- 5%	
W1	Pb (mg/m ³)	-	Jan-Mar 2019	<0.4 ug/l	TM30/PM14	01/02/19	+/- 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: 26/4/19 (Authorised to sign as representative of Operator)