

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 01/07/2013 to 30/09/2013

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	28mg/l	BS EN 1899-1 (1998)	30.09.13 09:00	
W1	Total suspended solids	60 mg/l	Weekly. For 95% of all measured values of periodic samples taken over one month	19 mg/l	BS EN 872	04.08.13 07:00	
W1	pH max	9	Instantaneous	7.7	BS6068-2.50	22.07.13 07:00	
W1	pH min	6	Instantaneous	7.0	BS6068-2.50	30.07.13 07:00	
W1	COD	-	Spot	240 mg/l		11.09.13 07:00	
W1	Ammoniacal Nitrogen	4 mg/l	Spot	1.423 mg/l		25.09.13 19:00	
W1	Temperature degrees Celsius	25° Celsius	Continuous	24.7 °C		04.08.13 01:00	
W1	Total Phosphorus	-	Spot	1.6 mg/l		05.08.13	
W1	Maximum instantaneous Flow rate	800 l/s	24 hour period beginning 00:01	693 l/s		Several data points	
W1	Maximum Daily Flow	22,000 m ³ /day	Instantaneous	19,520		21.07.13	
W1	Maximum Tidal Flow	11,000 m ³ /tide	Instantaneous	7,337		17.08.13	

Emission Point		Substance / Parameter		Emission	Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
W1		Cd (µg/m³)		-			100		02/08/13 10:00	
W1		Hg (µg/m³)		-			100		02/08/13 10:00	
W1		Fe (mg/m³)		-			21		02/08/13 10:00	
W1		Mn (mg/m³)		-			0.2		02/08/13 10:00	
W1		Zn (mg/m³)		-			1		02/08/13 10:00	
W1		As (mg/m³)		-			0.5		02/08/13 10:00	
W1		Cu (mg/m³)		-			0.1		02/08/13 10:00	
W1		Cr (mg/m³)		-			0.5		02/08/13 10:00	
W1		Ni (mg/m³)		-			0.3		02/08/13 10:00	
W1		Pb (mg/m³)		-			0.1		02/08/13 10:00	

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 25 October 2013
(Authorised to sign as representative of Operator)