

Permit Number: EPR/EP3738NG

Operator: WEPA UK Ltd

Facility: Bridgend papermill


Form Number: Water 1 30/09/2018

Reporting of emissions to water (other than to sewer) and land for the period from 01-Jan-20 to 31-Dec-20

Emission Point	Substance /Parameter	Emission/ Limit Value	Reference Period	Result ^[1]		Test Method ^[2]	Sample Date & Times ^[3]		Uncertainty ^{[4][5]}
W1	Flow rate	No limit set	Instantaneous	1286		MCERTS self monitoring of effluent flow scheme	28-02-20 11:37		± 8.0%
W1	Maximum daily flow ^[6]	17,500 m ³ /day	24 hours	7100		MCERTS self monitoring of effluent flow scheme	15.2.20		± 8.0%
W1	Mean daily flow	No limit set	24 hours	2107		MCERTS self monitoring of effluent flow scheme	--		± 8.0%
W1	pH	6.5 (min) 8.5 (max)	Daily average	6.89	8.48	MCERTS approved instrumentation or equivalent	16.9.20	17.7.20	± 1.0%
W1	Temperature	25°C	Daily average	20.9		Standard temperature sensor	2.6.20		± 0.0%
W1	Chemical oxygen demand (COD) ^[7]	No limit set	24-hour flow proportional composite sample	47.5		COD: BS ISO 15705	10.2.20		± 14.5%
W1	Biochemical oxygen demand (BOD)	10 mg/l	24-hour flow proportional composite sample	2.3		BS EN 1899-1	20.2.20		± 16.5%
W1	Total Suspended Solids	25 mg/l	Daily	19.4		BS EN 872	27.1.20		± 13.5%
W1	Ammonia as N	1 mg/l	Daily	0.41		BS EN ISO 11732 or ISBN 0117516139	10.4.20		± 12.5%
W1	Total nitrogen	No limit set	24 hour flow proportional composite sample	9.59		BS EN ISO 11905-1	30.4.20		± 11.2%
W1	Total phosphorous	No limit set	24 hour flow proportional composite sample	0.94		BS EN ISO 6878-1	19.3.20		± 8.0%
W1	Other compounds: AOX	No limit set	24 hour flow proportional composite sample	0.34		DIN EN ISO 9562	12.2.20		± 22.8%

Emission Point	Substance /Parameter	Emission/ Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date & Times ^[3]	Uncertainty ^{[4][5]}
W1	Priority Hazardous Substances ^[8]	--	24 hour flow proportional composite sample	None	GCMS analysis at UKAS accredited laboratory	27.01.21 14:30	± 15.0%
W1	Zn (total and dissolved) and its compounds	--	24 hour flow proportional composite sample	18.0µg/l	BS EN ISO 15586:2003	27.01.21 14:30	± 8.0%
W1	Cu (total and dissolved) and its compounds	--	24 hour flow proportional composite sample	8.7µg/l	BS EN ISO 15586:2003	27.01.21 14:30	± 10.0%
W1	Cd (total and dissolved) and its compounds	--	24 hour flow proportional composite sample	<0.02µg/l	BS EN ISO 15586:2003	27.01.21 14:30	± 10.0%
W1	Pb (total and dissolved) and its compounds	--	24 hour flow proportional composite sample	0.4µg/l	BS EN ISO 15586:2003	27.01.21 14:30	± 10.0%
W1	Hg (total and dissolved) and its compounds	--	24 hour flow proportional composite sample	<0.005µg/l	BS EN ISO 15586:2003	27.01.21 14:30	± 12.0%
W1	Ni (total and dissolved) and its compounds	--	24 hour flow proportional composite sample	4.0µg/l	BS EN ISO 15586:2003	27.01.21 14:30	± 8.0%

- [1] 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.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] 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.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.
- [5] In the case of results for the Hazardous pollutants screen supply the quoted Limit of Detection (LOD) with the result.
- [6] In the case of daily flow supply the maximum and mean figure for each month within the 6 month reporting window.
- [7] If TOC is already monitored as a key process parameter, there is no need to measure COD, however the correlation between the two parameters must be established and checked regularly.
- [8] Hazardous pollutants screen substances are: Chlorpyrifos, Cypermethrin, Endosulphan (A & B), 4- nonylphenols & Nonylphenol ethoxylates, PCP, TBT

Signed 

Date 26.02.2021

* Please note that due to unavailability of NLS services an alternative provider had to be sourced. A sample has been taken on 27/01/2021 and sent to i2 Laboratories for analysis, results of which will be submitted in an amended W1 return.