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-21 to 31-Dec-21

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	1099	MCERTS self monitoring of effluent flow scheme	04-01-21 13:49	± 8.0%
W1	Maximum daily flow [6]	17,500 m^3/day	24 hours	7926	MCERTS self monitoring of effluent flow scheme	20.1.21	± 8.0%
W1	Mean daily flow	No limit set	24 hours	2330	MCERTS self monitoring of effluent flow scheme	--	± 8.0%
W1	pH	6.5 (min) 8.5 (max)	Daily average	6.63 8.24	MCERTS approved instrumentation or equivalent	15.9.21 4.8.21	± 0.6%
W1	Temperature	25°C	Daily average	22.9	Standard temperature sensor	22.7.21	± 0.1%
W1	Chemical oxygen demand (COD) [7]	No limit set	24-hour flow proportional composite sample	33.3	COD: BS ISO 15705	25.11.21	± 5.8%
W1	Biochemical oxygen demand (BOD)	10 mg/l	24-hour flow proportional composite sample	1.9	BS EN 1899-1	22.7.21	± 16.0%
W1	Total Suspended Solids	25 mg/l	Daily	13.1	BS EN 872	16.12.21	± 16.3%
W1	Ammonia as N	1 mg/l	Daily	0.29	BS EN ISO 11732 or ISBN 0117516139	17.7.21	± 13.9%
W1	Total nitrogen	No limit set	24 hour flow proportional composite sample	7.66	BS EN ISO 11905-1	28.7.21	± 15.2%
W1	Total phosphorous	No limit set	24 hour flow proportional composite sample	0.59	BS EN ISO 6878-1	7.7.21	± 7.7%
W1	Other compounds: AOX	No limit set	24 hour flow proportional composite sample	0.38	DIN EN ISO 9562	2.12.21	± 20.4%

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	2.12.21	± 15.0%
W1	Zn (total and dissolved) and its compounds	--	24 hour flow proportional composite sample	12.0	BS EN ISO 15586:2003	2.12.21	± 8.0%
W1	Cu (total and dissolved) and its compounds	--	24 hour flow proportional composite sample	5.7	BS EN ISO 15586:2003	2.12.21	± 10.0%
W1	Cd (total and dissolved) and its compounds	--	24 hour flow proportional composite sample	<.02	BS EN ISO 15586:2003	2.12.21	± 10.0%
W1	Pb (total and dissolved) and its compounds	--	24 hour flow proportional composite sample	<0.2	BS EN ISO 15586:2003	2.12.21	± 10.0%
W1	Hg (total and dissolved) and its compounds	--	24 hour flow proportional composite sample	<0.005	BS EN ISO 15586:2003	2.12.21	± 12.0%
W1	Ni (total and dissolved) and its compounds	--	24 hour flow proportional composite sample	2.2	BS EN ISO 15586:2003	2.12.21	± 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.

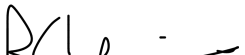
[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

[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 established and checked regularly.

[8] Hazardous pollutants screen substances are: Chlorpyriphos, Cypermethrin, Endosulphan (A & B), 4- nonylphenols & Nonylphenol ethoxylates, PCP, TBT

Signed  Date 18.01.2022