

Permit Number: EPR/BX7282IS

Operator: AB InBev UK Limited

Facility: Magor Brewery

Form Number: Water1 / 23/08/2021

Reporting of emissions to water for the period from 01/10/22 to 31/12/22

Emission Point	Substance / Parameter	Emission		Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value	Reference Period				
Final Effluent Sample Point ST 4369 8494	Flow	10,000 m ³ /day	Daily Total (Column CT)	5239	Continuous / cumulative – AAB flow meter	03/11/22	+/- 1.04 %
	Flow	126 l/s	Continuous (Column ED)	60.64	Spot – AAB flow meter	03/11/22	+/- 1.04 %
	pH	>5 <9	Continuous (Column DM)	8.5	Continuous sample	31/12/22	+/- 0.05 pH
	Temperature	30 °C	Continuous (Column CZ)	24.4	Continuous sample – knick in line meter	03/10/22	+/- 1 degree C
	BOD	200 mg/l	Weekly composite	11	SCA Blue Book 130 ISBN 0117522120	06/11/22	20.1%
	COD	450 mg/l	Weekly composite	122	SCA Blue Book 97 ISBN 0117519154	27/11/22	5.8%
	Suspended Solids	150 mg/l	Weekly composite	22	SCA Blue Book 105 ISBN 011751957X	27/11/22	19.7%
	Total copper & its compounds	0.01 mg/l as annual average	Weekly composite	0.00364		08/10/22	
	Total cadmium & its compounds	0.005 mg/l as annual average	Weekly composite	0.00062		08/10/22	
	Total chromium & its compounds	0.015 mg/l as annual average	Weekly composite	0.00613		09/11/22	
	Total mercury & its compounds	0.0005 mg/l as annual average	Weekly composite	0.00003		08/10/22	

Emission Point	Substance / Parameter	Emission		Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value	Reference Period				
	Total nickel & its compounds	0.03 mg/l as annual average	Weekly composite	0.01432		17/11/22	
	Total zinc & its compounds	0.07 mg/l as annual average	Weekly composite	0.04626		08/10/22	
	Total arsenic & its compounds	0.025 mg/l as annual average	Weekly composite	0.00054		08/10/22	
	Total mercury and its compounds	915 g in a year		4g			
	Total cadmium and its compounds	9150 g in a year		218g			

- [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.

Signed *Kyle Morgan*

(Authorised to sign as representative of Operator)

Date.....21/02/23...29/06/23...