

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 01/10/21 to 31/12/21

Emission Point	Substance / Parameter	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value						
Final Effluent Sample Point ST 4369 8494	Flow	10,000 m³/day	Daily Total (Column CU)	4905	Continuous / cumulative – AAB flow meter	04/10/21	+/- 1.04 %	
	Flow	126 l/s	Continuous (Column EE)	56.77	Spot – AAB flow meter	04/10/21	+/- 1.04 %	
	pH	>5 <9	Continuous (Column DN)	8.9	Continuous sample	03/11/21	+/- 0.05 pH	
	Temperature	30 °C	Continuous (Column DA)	50	Continuous sample – knick in line meter	03/10/21	+/- 1 degree C	
	BOD	200 mg/l	Weekly composite	184	SCA Blue Book 130 ISBN 0117522120	26/10/21	20.1%	
	COD	450 mg/l	Weekly composite	403	SCA Blue Book 97 ISBN 0117519154	26/10/21	5.8%	
	Suspended Solids	150 mg/l	Weekly composite	66	SCA Blue Book 105 ISBN 011751957X	22/11/21	19.7%	
	Total copper & its compounds	0.01 mg/l as annual average	Weekly composite	12		08/11/21		
	Total cadmium & its compounds	0.005 mg/l as annual average	Weekly composite	1.56		22/11/21		
	Total chromium & its compounds	0.015 mg/l as annual average	Weekly composite	27.70		27/12/21		
	Total mercury & its compounds	0.0005 mg/l as annual average	Weekly composite	0.3		26/10/21		

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	11.6		27/11/21	
	Total zinc & its compounds	0.07 mg/l as annual average	Weekly composite	110		22/11/21	
	Total arsenic & its compounds	0.025 mg/l as annual average	Weekly composite	0.78		22/11/21	
	Total mercury and its compounds	915 g in a year					
	Total cadmium and its compounds	9150 g in a year					

- [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.....28/02/22.....