

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

AB InBev UK Limited

Magor Brewery
The Brewery
Wilcrick
Magor
Caldicot
Monmouthshire
NP26 3RA

Variation application number
EPR/BX7282IS/V006

Permit number
EPR/BX7282IS

Magor Brewery

Permit number EPR/BX7282IS

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

This variation enlarges the installation boundary to provide for additional warehousing. In addition it changes the carbon monoxide emission limits for the combined heat and power plant.

The schedules specify the changes made to the original permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application BX7282IS/A001	Received 28/10/04	
Response to request for information (Schedule 4)	Request dated 17/01/05	Response dated 14/02/05
Response to request for information	Requests dated: 28/01/05, 28/02/05, 02/03/05, 03/03/05, 22/04/05, 29/04/05, 13/05/05, 20/05/05, 01/06/05	Responses dated: 14/02/05, 22/03/05, 04/03/05, 08/03/05, 25/04/05, 08/05/05, 20/05/05, 24/05/05, 01/06/05, 14/06/05
Variation determined BX7282IS/V002	16/06/06	
Variation Application EPR/BX7282IS/V003	Duly made 18/07/11	
Variation determined EPR/BX7282IS/V003	16/08/11	
Variation Application EPR/BX7282IS/V004	Received 05/03/12	
Variation determined EPR/BX7282IS/V004	Issued 14/03/12	
Agency variation determined EPR/BX7282IS/V005	25/03/13	Agency variation to implement the changes introduced by IED
Variation Application EPR/BX7282IS/V006	Duly Made 16/01/14	To vary carbon monoxide emissions and to vary the installation boundary
Request for further information Schedule 5 Notice dated 06/03/14	Received 04/04/14	
Variation determined	23/09/14	

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

The Natural Resources Body for Wales ("Natural Resources Wales") in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

Permit number
EPR/BX7282IS

issued to:
AB InBev UK Limited ("the operator")

whose registered office is

Porter Tun House
500 Capability Green
Luton
Bedfordshire
LU1 3LS

company registration number **3982132**

to operate a regulated facility at

Magor Brewery
The Brewery
Wilcrick
Magor
Caldicot
Monmouthshire
NP26 3RA

to the extent set out in the schedules.

The notice shall take effect from 23/09/2014

Name

Date

	23/09/2014
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Authorised on behalf of Natural Resources Wales

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as a result of the application made by the operator.

Condition 2.2.4 shall be amended to:

3.2 Emissions of substances not controlled by emission limits

3.2.1 *Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.*

3.2.2 *The operator shall:*

- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;*
- (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.*

3.2.3 *All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.*

Condition 2.2.6 shall be amended to:

3.3 Odour

3.3.1 *Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.*

- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to odour, submit to Natural Resources Wales for approval within the period specified, an*

odour management plan which identifies and minimises the risks of pollution from odour;

- (b) *implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.*

3.3.3 *The operator shall:*

- (a) *if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to odour, submit to Natural Resources Wales for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;*
- (b) *implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.*

Condition 2.9 shall be amended to:

3.4 *Noise and vibration*

3.4.1 *Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.*

3.4.2 *The operator shall:*

- (a) *if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;*
- (b) *implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.*

- Table 1.1.1 is amended to reflect additional and amended bottling lines. The table now reads:

Table 1.1.1		
Activity listed in Schedule 1 of the EP Regulations / Associated Activity	Description of specified activity and WFD Annex I and II operations	Limits of specified activity
Section 6.8 A(1)(d)(ii) - Treating and processing materials intended for the production of food products from vegetable raw materials at plant with a finished product production capacity of more than 300 tonnes per day (average value on a quarterly basis).	Brew Line 1 - Milling, mashing, mash filtration, wort boiling, trub separation, filtration, yeast pitching, fermentation, treatment	Receipt of raw materials to packaging.
Section 6.8 A(1)(d)(ii) - Treating and processing materials product capacity of more than 300 tonnes per day (average value on a quarterly basis).	Brew Line 2 - Milling, mashing, mash filtration, wort boiling, trub separation, filtration, yeast pitching, fermentation, treatment	Receipt of raw materials to packaging.
Section 6.8 A(1)(d)(ii) - Treating and processing materials product capacity of more than 300 tonnes per day (average value on a quarterly basis).	Packaging and flash pasteurisation of keg beer	Receipt of beer to despatch of final product.
Section 6.8 A(1)(d)(ii) - Treating and processing materials product capacity of more than 300 tonnes per day (average value on a quarterly basis).	Packaging and tunnel pasteurisation of canned beer - Line 1	Receipt of beer to despatch of final product.
Section 6.8 A(1)(d)(ii) - Treating and processing materials product capacity of more than 300 tonnes per day (average value on a quarterly basis).	Packaging and tunnel pasteurisation of canned beer - Line 2	Receipt of beer to despatch of final product.
Section 6.8 A(1)(d)(ii) - Treating and processing materials product capacity of more than 300 tonnes per day (average value on a quarterly basis).	Packaging and flash pasteurisation of bottled beer – Line 1	Receipt of beer to despatch of final product.
Section 6.8 A(1)(d)(ii) - Treating and processing materials product capacity of more than 300 tonnes per day (average value on a quarterly basis).	Packaging and tunnel or flash pasteurisation of bottled beer – Line 2	Receipt of beer to despatch of final product.
Section 6.8 A(1)(d)(ii) - Treating and processing materials product capacity of more than 300 tonnes per day (average value on a quarterly basis).	Packaging and tunnel pasteurisation of bottled beer – Line 3	Receipt of beer to despatch of final product.
Section 1.1 A(1)(a) – Burning any fuel in an appliance with a rated thermal input of 50MW or more	Natural gas fired CHP boilers and fossil fuel fired high temperature hot water and steam boilers.	Receipt of fuels to emission of combustion gases. Fossil fuels in boilers limited to natural gas and gas oil with sulphur content less than or equal to 0.1% w/w
Section 5.4 A(1)(a)(i) Disposal of non-hazardous waste in facility with a capacity exceeding 50 tonnes per day by biological treatment	Effluent treatment plant serving brewing lines and site	Dedicated effluent plant to the brewery includes surface runoff from the brewery and all process effluent. Final discharge to Severn Estuary.
Directly associated activity	Disposal of surface water at main brewery site.	From collection to dispatch into Waundeilad Reen.
Directly associated activity	Disposal of surface water at the effluent treatment plant site.	From collection to dispatch into Mill Reen.
Directly associated activity	Cleaning of biogas prior to combustion	Use of condensate pots, hydrogen sulphide scrubbing and gas conditioning plant

Directly associated activity	Flaring of biogas at the effluent treatment plant site.	From receipt of biogas to emission of combustion gases. Operation of flare if H2S levels are above 1500ppm or if excess biogas is produced.
Directly associated activity	Combustion of biogas in a gas engine with rated thermal input of <1MW	Receipt of biogas, combustion in gas engine and generation of heat and electricity.

- Table 2.1.1 is amended to give updated operating techniques. The amended table is as follows:

Table 2.1.1: Operating techniques		
Description	Parts	Date Received
Application	The response to questions 2.1 and 2.2 given in pages 8 to 44 of the application.	28/10/04
Further information	Revised plans and location of emission points	14/02/05
Further information	Revised plan and location of water emission point to Severn Estuary	24/05/05
Variation application (EPR/BX7282IS/V003)	Response to question 3 of application form C3 Document WWTPCHP A	18/07/11
Variation Application EPR/BX7282IS/V006	The response to section 3 of part C3 of the application and the accompanying non technical summaries	27/11/13
Further information	Revised plans	04/04/14

- Table 2.2.2 is amended to give different compliance limits for carbon monoxide for emission points A5 and A6. The amended table is as follows:

Table 2.2.2 : Emission limits to air and monitoring				
Emission point reference	Parameter	Limit (including Reference Period)	Monitoring frequency	Monitoring method
A1	Oxides of nitrogen as NO ₂	220mg/m ³ as an hourly average	Every 6 months	BS EN 14792
A2	Oxides of nitrogen as NO ₂ Note 2	220mg/m ³ as an hourly average	Every 6 months	BS EN 14792
A3	Oxides of nitrogen as NO ₂ Note 2	140mg/m ³ as an hourly average	Every 6 months	BS EN 14792
A4	Oxides of nitrogen as NO ₂ Note 2	140mg/m ³ as an hourly average	Every 6 months	BS EN 14792
A5	Oxides of nitrogen as NO ₂	350mg/m ³ as an hourly average	Every 3 months	BS EN 14792
A5	Carbon monoxide	500mg/m ³ as an hourly average	Every 3 months	BS EN 15058
A6	Oxides of nitrogen as NO ₂	350mg/m ³ as an hourly average	Every 3 months	BS EN 14792
A6	Carbon monoxide	500mg/m ³ as an hourly average	Every 3 months	BS EN 15058
A8	Oxides of nitrogen as NO ₂	500mg/m ³	Quarterly	BS EN 14792
A8	Carbon monoxide	650mg/m ³	Quarterly	BS EN 15058
A8	Sulphur dioxide	80mg/m ³	Quarterly	BS EN 14791

- Table 2.2.4 is amended to replace emission point W2 with the point “Final Effluent Sample Point ST 4369 8494”. The amended table reads as follows:

Table 2.2.4: Emission point to water		
Emission Point Reference or description	Source	Receiving Water
W4 as shown on plan H13015 – 160 Rev.C1 dated 19/02/2013	Uncontaminated surface water from brewery site.	Waundeilad Reen
Final Effluent Sample Point ST 4369 8494 (as shown on plan 3 in this permit variation)	Discharge from effluent treatment plant	Severn Estuary
W3 (MagDoc07B submitted as further information on 24/05/05)	Uncontaminated surface water from effluent treatment plant site	Mill Reen

- Table 2.2.5 is amended to replace emission point W2 with the point “Final Effluent Sample Point ST 4369 8494”. The amended table reads as follows:

Table 2.2.5 : Emission limits to water and monitoring

Emission point reference	Parameter	Limit (including Reference Period)	Monitoring frequency	Monitoring method ^{Note 1}
Final Effluent Sample Point ST 4369 8494	Flow	10,000m ³ /day	Continuous	To a relevant EN, BS, ISO standard as agreed in IP2
Final Effluent Sample Point ST 4369 8494	Flow	126l/s	Continuous	To a relevant EN, BS, ISO standard as agreed in IP2
Final Effluent Sample Point ST 4369 8494	pH	>5, <9	Continuous	No standard method available ^{Note 2}
Final Effluent Sample Point ST 4369 8494	Temperature	30°C	Continuous	Note 3
Final Effluent Sample Point ST 4369 8494	BOD5	200mg/l	Weekly composite	SCA Blue Book 130 ISBN 0117522120
Final Effluent Sample Point ST 4369 8494	COD	450mg/l	Weekly composite	SCA Blue Book 97 ISBN 0117519154
Final Effluent Sample Point ST 4369 8494	Suspended solids	150mg/l	Weekly	SCA Blue Book 105 ISBN 011751957X
Final Effluent Sample Point ST 4369 8494	Total copper & its compounds	0.01mg/l as annual average	Monthly composite	BS EN ISO 11885:1998, BS 6068-2.60:1998
Final Effluent Sample Point ST 4369 8494	Total cadmium & its compounds	0.005mg/l as annual average	Monthly composite	BS EN ISO 5961:1995, BS 6068-2.21:1995
Final Effluent Sample Point ST 4369 8494	Total chromium & its compounds	0.015mg/l as annual average	Monthly composite	BS EN ISO 11885:1998, BS 6068-2.60:1998
Final Effluent Sample Point ST 4369 8494	Total mercury & its compounds	0.0005mg/l as annual average	Monthly composite	BS EN ISO 11885:1998, BS 6068-2.60:1998
Final Effluent Sample Point ST 4369 8494	Total nickel & its compounds	0.03mg/l as annual average	Monthly composite	BS EN ISO 11885:1998, BS 6068-2.60:1998
Final Effluent Sample Point ST 4369 8494	Total zinc & its compounds	0.07mg/l as annual average	Monthly composite	BS EN ISO 11885:1998, BS 6068-2.60:1998
Final Effluent Sample Point ST 4369 8494	Total arsenic & its compounds	0.025mg/l as annual average	Monthly composite	BS EN 26595:1993, BS 6068-2.1:1983, ISO 6595-1985

Note 1: Or to an EN, BS, ISO or SCA blue book standard as approved by NRW

Note 2: The Operator shall provide a procedure / work instruction that shall be approved by NRW for the operation of the continuous pH meter having regard to the calibration requirements given in BS6068-2.50:1995, ISO 10523:1984.

Note 3: The operator shall submit a method for temperature monitoring that shall be approved by the NRW

Schedule 3 – conditions to be added

None

Schedule 4 – amended plan

Amended plan attached

All three plans show separate parts of the same installation and the entire installation is defined by these three plans in series.

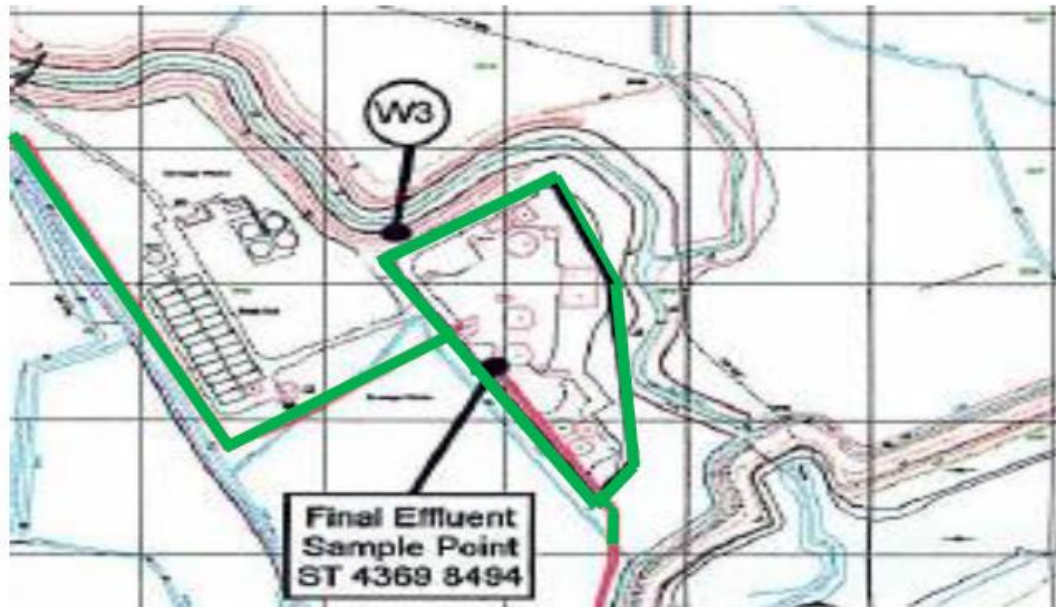
Plan1



Plan2



Plan3



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