Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Warwick International Ltd

Warwick Chemicals
Dock Road
Mostyn
Holywell
Flintshire
CH8 9HE

Variation application number

EPR/BU2357IP/V010

Permit number

EPR/BU2357IP

Warwick International Ltd
Permit number EPR/BU2357IP

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 notice makes several administrative changes to the permit as follows:

- The listed activities set out in Table 1.1.1 are amended to remove Section 4.1A(1)(a)(ix) and Section 4.2A(1)(a)(iv);
- Tables 2.2.1, 2.2.2, 2.2.3 and S2 are amended to remove references to emission points A16, A24 and A25, which are no longer in use.

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		
Detail	**Date**	**Comment**
Application for permit BU2357	Received 29/08/03	Duly made 16/09/03
Request to extend determination	Request dated 22/12/03	Request accepted 05/01/04
Response to request for information	Request dated 10/03/04	Response dated 14/04/04
Permit BU2357	Issued 14/05/04	Permit for operation of Installation under PPC Regime
Application for Variation AP3634SJ	Received 18/03/05	Duly made 18/03/05
Response to Schedule 7 Notice.	Schedule 7 dated 15/06/05	Response dated 28/07/05
Response to request for further information	Request dated 30/11/05	Response dated 12/12/05
Variation AP3634SJ	Issued 16/12/2005	Variation issued to comply with the Waste Incineration (England and Wales) Regulations 2002 (SI 2002 No. 2980) (The WI Regulations) and the Pollution Prevention and Control (Waste Incineration Directive) (England and Wales) Direction 2002
Application for Variation KP3937LZ	Received 04/08/05	Duly made 04/08/05
Additional Information in support of application KP3937LZ	Received 06/11/06	Criteria for fuel switching and commitment to restrict period of gas oil firing
Variation KP3937LZ	Issued 21/11/06	Variation to permit use of gas oil as stand-by fuel when the use of gas is not under economically viable conditions.
Application for Variation AP3338MA	Received 03/11/06	Duly made 03/11/06
Variation PP3831MU	Issued 22/01/07	Variation to establish a revised compliance date for completion of improvement programme reference 1.4.1.8 - performance validation of the continuous emissions monitoring systems
Additional Information in support of application AP3338MA	Received 05/02/07	Options appraisal for air emissions abatement and proposals regarding air emissions monitoring.
Variation AP3338MA	Issued 01/03/07	Variation to permit production of sodium acetate trihydrate
Application for variation EA/EPR/BU2357IP/V009	Received 23/06/08	Duly made 23/06/08
Variation EA/EPR/BU2357IP/V009	Issued 20/08/08	Variation to permit production of synthetic rubbers
Variation application EA/EPR/BU2357IP/V010	Received 15/10/12	Administrative variation
Variation EA/EPR/BU2357IP/V010	Issued 19/11/12	

Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

Permit number
EPR/BU2357IP

Issued to
Warwick International Ltd ("the operator")

Whose registered office is

Warwick International Group Ltd
Mostyn
Holywell
Flintshire
CH8 9HE

Company registration number **2386927**

To operate a regulated facility at

Dock Road
Mostyn
Holywell
Flintshire
CH8 9HE

To the extent set out in the schedules.

The notice shall take effect from 19/11/12.

Name	Date
Eirian Macdonald	**19/11/12**

Principal Permitting Team Leader, National Permitting Service
Authorised on behalf of the Environment Agency

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.

Table 1.1.1 of permit BU2357IP (as set out in variation notice AP3338MA), as it relates to condition 1.1.1 of the permit, shall be amended to:

Table 1.1.1

Activity listed in Schedule 1 of the PPC Regulations / Associated Activity	Description of specified activity	Limits of specified activity
Section 4.1 A(1)(a)(iv) Producing organic chemicals	Producing organic compounds containing nitrogen, (amines)	Receipt of raw materials to despatch of finished product, including internal recycling of raw materials.
Section 5.1 A(1)(a) Incineration of hazardous waste	On-site incineration of process wastes with the recovery of heat	Incineration of distillation residues arising during the on-site production of tetra acetyl ethylene diamine (TAED).
Section 5.3 A(1)(c)(ii) Disposal of non-hazardous waste in a facility with a capacity of more than 50 tonnes per day by physico-chemical treatment	Treatment and storage of process effluent and site surface water drainage	pH adjustment and storage of process effluent arising during the on-site production of tetra acetyl ethylene diamine (TAED).
Directly Associated Activity	Combustion of natural gas to raise steam and heat thermal transfer fluids	Gas oil combustion: limited to periods specified in the permit for use as a stand-by fuel, for periods of natural gas interruption and for scheduled test firing of the back up facility

Table 2.2.1 of permit BU2357IP (as set out in variation notice AP3338MA), as it relates to condition 2.2.1.2 of the permit, shall be amended to:

Table 2.2.1 Emission points to air

Emission point reference or description	Source	Location of emission point
A1	Tank Farm 1 vent	3 metre high stack
A2	Plant 5 caustic scrubber vent	15 metre high stack
A3	Plant 6 caustic scrubber vent	15 metre high stack
A4	Tank Farm 2 vent	3 metre high stack
A5	Filter Dryer plant 2 scrubber vent	26 metre high stack
A6	Silo 1-4 scrubber vent	19 metre high stack
A7	Silo 5-9 scrubber vent	21 metre high stack
A8	EDA bulk storage scrubber vent	12.9 metre high stack
A9a	Granulation 2 system filter vent (white)	16.5 metre high stack
A9b	Granulation 2 system filter vent (coloured)	9.5 metre high stack
A10	Granulation 3 system filter vent	19 metre high stack
A11	Granulation 4 system filter vent	16.5 metre high stack
A12	Warehouse 1 (25 kg bagger unit dust extraction)	2.7 metre high stack
A13	Warehouse 2 (25 kg bagger unit dust extraction)	2.7 metre high stack
A14	Distillation residue incinerator	30 metre high stack
A17	Boiler 201	30 metre high stack
A18	Boiler 202	30 metre high stack
A19	Boiler 301	30 metre high stack
A20	Continuous DAED plant scrubber vent	26 metre high stack
A21	Continuous DAED HT fluid heater	27 metre high stack
A22	Continuous DAED 2 plant scrubber vent	26 metre high stack
A23	Continuous DAED storage tanks scrubber vent	26 metre high stack

Table 2.2.2 of permit BU2357IP (as set out in variation notice AP3338MA), as it relates to condition 2.2.1.3 of the permit, shall be amended to:

Table 2.2.2 Emission limits to air and monitoring [other than the incinerator plant]

Emission point reference	Parameter	Limit (including Reference Period)[Note 1]	Monitoring frequency	Monitoring method
A2, A3, A5, A6, A7, A20, A22, A23	Acetic acid and anhydride (as Acetic acid)	50 mg m^{-3} (hourly average)	Quarterly	Spot sample - see Note 2
A9a, A9b, A10, A11, A12, A13	Particulate matter	No visible release	-	-
A17, A18, A19, A21	Oxides of nitrogen (as NO_2)	170 mg m^{-3} (hourly average)	Annual	Spot sample - see Note 2
A17, A18, A19, A21	Carbon monoxide	70 mg m^{-3} (hourly average)	Annual	Spot sample - see Note 2

Note 1: See Condition 6.1.3 [Variation Notice AP3436SJ] for reference conditions

Note 2. Monitoring methods shall use standards in the following order of priority, unless equivalent methods have been agreed with the Environment Agency in writing:

- Comité Européen de Normalisation (CEN)
- British Standards Institution (BSI)
- International Standardisation Organisation (ISO)
- United States Environmental Protection Agency (US EPA)
- American Society for Testing and Materials (ASTM)
- Deutches Institut für Normung (DIN)
- Verein Deustcher Ingenieure (VDI)
- Association Française de Normalisation (AFNOR)

Table 2.2.3 of permit BU2357IP (as set out in variation notice AP3338MA), as it relates to condition 2.2.1.6 of the permit, shall be amended to:

Table 2.2.3 Annual limits

Substance	Limit – kg
Acetic acid (from release points A1-A7, A20, A22, A23)	15,000
Oxides of nitrogen (from release points A14, A17-A19, A21)	40,000

Table S2 of permit BU2357IP (as set out in variation notice AP3338MA), as it relates to conditions 4.1.2 and 4.1.3 of the permit, shall be amended to:

Table S2 Reporting of monitoring data

Parameter	Emission point	Reporting period	Period begins
Oxides of nitrogen mg m^{-3}	A17, A18, A19, A21	Every 12 months	1 January each year
Oxides of nitrogen mg m^{-3}	A14	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Oxides of nitrogen (annual mass) kg	A14, A17-A19, A21	Every 12 months	1 January each year
Carbon monoxide mg m^{-3}	A17, A18, A19, A21	Every 12 months	1 January each year
Carbon monoxide mg m^{-3}	A14	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Acetic acid and anhydride (as acetic acid) mg m^{-3}	A2, A3, A5, A6, A7, A20, A22, A23	Every 12 months	1 January each year
Acetic acid (annual mass) kg	A1-A7, A20, A22, A23	Every 12 months	1 January each year
VOCs and Total Organic Carbon (TOC) mg m^{-3}	A14	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Particulate matter mg m^{-3}	A14	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Cadmium and thallium and their compounds (in total) mg m^{-3}	A14	Every 6 months	1 January and 1 July respectively each year
Mercury and its compounds (in total) mg m^{-3}	A14	Every 6 months	1 January and 1 July respectively each year
Sb+As+Pb+Cr+Co+ Cu+Mn+Ni+V and their compounds (in total) mg m^{-3}	A14	Every 6 months	1 January and 1 July respectively each year
Dioxins/furans (I-TEQ) ng m^{-3}	A14	Every 6 months	1 January and 1 July respectively each year
Sulphur dioxide mg m^{-3}	A14	Every 6 months	1 January and 1 July respectively each year
Hydrogen chloride mg m^{-3}	A14	Every 6 months	1 January and 1 July respectively each year
Hydrogen fluoride mg m^{-3}	A14	Every 6 months	1 January and 1 July respectively each year

Table S2 Reporting of monitoring data

Parameter	Emission point	Reporting period	Period begins
Dioxin-like PCBs (WHO-TEQ humans/mammals)	A14	Every 6 months	1 January and 1 July respectively each year
Dioxin-like PCBs (WHO-TEQ fish)	A14	Every 6 months	1 January and 1 July respectively each year
Dioxin-like PCBs (WHO-TEQ birds)	A14	Every 6 months	1 January and 1 July respectively each year
Polycyclic Aromatic Hydrocarbons (PAHs)	A14	Every 6 months	1 January and 1 July respectively each year
Chemical oxygen demand mg l^{-1}	W1	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Chemical oxygen demand kg/day	W1	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Chemical oxygen demand (annual mass) kg	W1	Every 12 months	1 January each year Reported PI 1
Biochemical oxygen demand mg l^{-1}	W1	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Suspended solids mg l^{-1}	W1	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Ammoniacal nitrogen mg l^{-1}	W1	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Total hydrocarbon oil mg l^{-1}	W1	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Halogenated organic compounds (total as AOX) mg l^{-1}	W1	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Total cyanides (as HCN) mg l^{-1}	W1	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Copper mg l^{-1}	W1	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
pH	W1	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Daily discharge volume m^3	W1	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year

Table S2 Reporting of monitoring data

Parameter	Emission point	Reporting period	Period begins
Tidal period discharge volume m^3	W1	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Rate of discharge l s^{-1}	W1	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Effluent temperature ^oC	W1	Every 3 months	1 January, 1 April, 1 July, 1 October respectively each year
Water usage	-	Every 12 months	1 January each year
Energy usage	-	Every 12 months	1 January each year
Waste disposal and/or recovery	-	Every 12 months	1 January each year
Metals (cadmium, thallium, mercury, lead, chromium, nickel, arsenic, cobalt, vanadium, zinc) and their compounds, dioxins/furans and dioxin-like PCBs.	Solid residues (fly ash)	Every 6 months	1 January and 1 July respectively each year
Total soluble fraction and metals (cadmium, thallium, mercury, lead, chromium, copper, manganese, nickel, arsenic, cobalt, vanadium, zinc) soluble fractions	Solid residues (fly ash)	Before use of a new disposal or recycling route	-

Schedule 3 – conditions to be added

None