



**Cyfoeth
Naturiol**
Cymru
**Natural
Resources**
Wales

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Mold Chemicals (Alyn Works)

**Synthite Limited
Denbigh Road
Mold
Flintshire
CH7 1BT**

Variation number

EPR/BU2349IL/V003

Permit number

EPR/BU2349IL

Mold Chemicals (Alyn Works)

Permit number EPR/BU2349IL

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.

The changes made in this variation are due to a request by the operator to replace a wet acidified counterflow scrubber on emission point A7 with a low temperature catalytic oxidiser. Table 2.1.1: Operating techniques has been altered to include documentation submitted as part of this variation application, and Table 2.2.1: Emission points to air has been altered to include details of the new catalytic oxidiser.

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
Applicaion for new permit BU2349IL received	29/08/2003	Duly made 03/10/2003
Request for Determination Extension (RDE) issued	22/12/2003	
Request for Further Information (RFI) issued	01/06/2004	
Response to first RFI received	24/06/2004	
RFI issued	02/08/2004	
Response to second RFI received	06/08/2004	
Additional information submitted in support of the application	01/09/2004	
Application for a new permit determined and permit BU2349IL issued	05/10/2004	
Variation application EPR/BU2349IL/V002 received	24/09/2008	Duly made 01/12/2008
RDE issued	24/02/2009	Confirmation received 27/02/2008
Variation application determined and variation notice EPR/BU2349IL/V002 issued	21/04/2009	
Variation application EPR/BU2349IL/V003 received	21/09/2016	Duly made 21/09/2016
Variation application determined and variation notice EPR/BU2349IL/V003 issued	24/11/2016	

Other Part A installation permits relating to this installation		
Operator	Permit number	Date of issue
T S Resins Limited	EPR/UP3831ES	13/03/2014

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/BU2349IL

issued to:
Synthite Limited (“the operator”)

whose registered office is

**Alyn Works
Denbigh Road
Mold
Flintshire
CH7 1BT**

company registration number **00164640**

to operate a regulated facility at

**Mold Chemicals (Alyn Works)
Denbigh Road
Mold
Flintshire
CH7 1BT**

to the extent set out in the schedules.

The notice shall take effect from 24/11/2016.

Signed

Date

	24th November 2016
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Victoria Seller
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:

Table 2.1.1: Operating techniques, now reading as follows:

Table 2.1.1: Operating techniques		
Description	Parts	Date Received
Application	The response to questions 2.1 and 2.2 and multi-product protocol given in pages 8-55 and appendices of the application	29/07/2004
Schedule 4 Notice	The responses to questions 2 and 3	24/06/2004
Additional information		01/09/2004
Application for variation	The response to question 2, given in BU2349_VAR_SECC2	24/09/2008
Additional information	All	02/12/2008
Application for variation	Air Protekt Report and BU2349-2016-04 Non-technical summary of application to replace A7 scrubber with a catalytic oxidiser	21/09/2016

Table 2.2.1: Emission points to air, now reading as follows:

Table 2.2.1: Emission points to air

Emission point reference or description	Source (Abatement)	Location of emission point¹
A1 (Formerly A1)	Formaldehyde derivatives storage (wet scrubber)	Ammonium salt bund (SJ 2338 6498)
A2 (Formerly AA1)	Storage of Ammonia solution (wet scrubber)	Agricultural products area (SJ 2315 6500)
A3 (Formerly AA2)	Propionic Acid storage (adsorption)	Agricultural products area (SJ 2311 6501)
A4 (Formerly AA4)	Formic Acid storage (adsorption)	Agricultural products area (SJ 2312 6501)
A5 (Formerly AA12)	Agricultural product storage (adsorption)	Agricultural products area (SJ 2311 6501)
A6 (Formerly AA13)	Agricultural product storage (adsorption)	Agricultural products area (SJ 2311 6501)
A7 (Formerly CA1)	Ammonium salts, Emulsions, and Formaldehyde derivatives scrubber vent emissions from reactors R1, R2, R3, R4, R5, and R6 (catalytic oxidiser)	Ammonium salts, Emulsions, and Formaldehyde derivatives (SJ 2337 6487)
A8 (Formerly CA2)	Formaldehyde derivatives scrubber vent emissions from reactors RV10, AR2, and AR1 (wet scrubber)	Formaldehyde derivatives (SJ 2337 6488)
A9 (Formerly CA3)	Formaldehyde derivatives storage tank vent (adsorption)	Formaldehyde derivatives (SJ 2338 6487)
A10 (Formerly FA2)	Fine powder manufacture (fabric filters)	Grinder House (SJ 2321 6500)
A11 (Formerly FA3)	Fine powder manufacture (wet scrubber)	Grinder House (SJ 2322 6499)
A12 (Formerly FA5)	Paraformaldehyde production (fabric filters)	Formaldehyde Plant (SJ 2323 6494)
A13 (Formerly FA8)	Methanol storage (no abatement)	Formaldehyde Plant (SJ 2332 6494)
A14 (Formerly FA9)	Methanol storage (no abatement)	Formaldehyde Plant (SJ 2333 6494)
A15 (Formerly FA12)	Tanker loading of formalin (wet scrubber)	Formaldehyde Plant (SJ 2336 6491)
A16 (Formerly FA15)	Combustion of silver process exit gas (hydrogen etc.) (no abatement)	Boiler House (SJ 2318 6497)
A17 (Formerly FA16)	Natural Gas fired boilers (x3) (no abatement)	Boiler House (SJ 2319 6496)
A18 (Formerly FA24)	Mixed oxide plant emission control system vent (catalytic oxidation)	Formaldehyde Plant (SJ 2321 6497)

Note 1: Refer to Application 'Synthite - MAP 5 EMISSION POINTS June 2003'

Schedule 3 – conditions to be added

None