



**ENVIRONMENT
AGENCY**

Variation Notice with introductory note

Pollution Prevention and Control Regulations 2000

Wincham Organic Specialities
Thor Specialities (UK) Limited
Wincham Avenue
Wincham
Northwich
Cheshire CW9 6GB

Variation Notice number
HP3437SG

Permit number
BL6403IQ

Introductory note

This introductory note does not form a part of the Variation Notice.

The following Notice is issued under Regulation 17 of The Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No. 1973 (as amended) (the Regulations) to vary the conditions of a Permit issued under the Regulations to operate [part of] an installation.

The Notice comprises Schedule 1 containing conditions to be deleted, Schedule 2 conditions to be amended and Schedule 3 conditions to be added. The Notice is subject to the express conditions set out in Schedules 1 to 3.

The Permit, as amended by this Variation Notice, contains conditions which have to be complied with. It should be noted that aspects of the operation of the installation which are not regulated by those conditions are subject to the condition implied by Regulation 12(10) of the PPC Regulations, that the Operator shall use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation. Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

Brief description of the changes introduced by this variation notice.

The main purpose of the activity/ies at the installation is:-

Manufacturing a range of products mainly in the speciality organics category. The product range covers biocides and preservatives, textile treatment products and other speciality chemicals.

The variation to the permit will allow the independent manufacture of a greater range of phosphorus based flame retardants. The company has previously manufactured these materials elsewhere.

In summary, the changes will be:

- A reaction system consisting of new reaction vessel, two feed vessels and a receiver.
- Emissions abatement consisting primarily of two heat exchangers (one glycol and one water cooled) with their exhaust gases passing through a two stage environmental scrubber before exhaust to the existing common stack.

The majority of the equipment is situated within Production Hall 1. The scrubbing system and glycol chiller are situated in bunds adjacent to the south-east facing wall of Production Hall 1.

The methanol used as raw material and produced as waste will be stored initially in intermediate bulk containers (IBCs) and ultimately in dedicated existing storages in the tank farm

The operator has supplied details of the throughput of the individual products, but has claimed, and was granted, commercial confidentiality on this information.

Talking to us

If you contact the Agency about this Permit please quote the Permit Number.

The Operator should use the Emergency Hotline telephone number (0800 80 70 60) or any other number notified to it to give a notification under condition 5.1.1 of the Permit.

Confidentiality

The Permit/Variation requires the Operator to provide information to the Agency. The Agency will place the information onto the public registers in accordance with the requirements of the PPC Regulations. If the Operator considers that any information provided is commercially confidential, it may apply to the Agency to have such information withheld from the register as provided in the PPC Regulations. To enable the Agency to determine whether the information is commercially confidential, the Operator should clearly identify the information in question and should specify clear and precise reasons.

Variations to the permit

This Permit may be varied in the future. The Status Log within the Introductory Note to any such variation will include summary details of the Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the permit

Before this Permit can be wholly or partially surrendered, an application to surrender the Permit has to be made. For the applicant to be successful, they would have to be able to demonstrate to the Agency, in accordance with Regulation 19 of the PPC Regulations, that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

Transfer of the permit or part of the permit

Before the Permit can be wholly or partially transferred to another person, a joint application to transfer the Permit has to be made by both the existing and proposed holders, in accordance with Regulation 18 of the PPC Regulations. A transfer will be allowed unless the Agency considers that the proposed holder will not be the person who will have control over the operation of the installation or will not ensure compliance with the conditions of the transferred Permit. If the Permit authorises the carrying out of a specified waste management activity, then there is a further requirement that the transferee is considered to be a "fit and proper person" to carry out that activity.

Status Log

Detail	Date	Comment
Application BL6403IQ	Received 6 February 2003	
Response to notice requiring further information.	Request 2 May 2003	Response 21 July 2003
Request to extend determination	Request 21 August 2003	Response 27 August 2003
Request to extend determination	Request 4 November 2003	Response 5 November 2003
Permit BL6403IQ	Determined 14 November 2003	
Application HP3437SG	Received 19/05/2005	
Variation HP3437SG	Determined 25/10/05	

End of introductory Note

Variation Notice

Pollution Prevention and Control
(England and Wales) Regulations 2000
Variation Notice



**ENVIRONMENT
AGENCY**

Variation Notice

Permit number **BL640IQ**

Variation Notice number
HP3437SG

The Environment Agency in exercise of its powers under Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I. 2000 No. 1973) (as amended), hereby varies the Permit issued on 14 November 2003 and held by you.
Thor Specialities (UK) Limited ("the Operator"),

Of/ whose Registered Office (or principal place of business) is
**Wincham Avenue
Wincham
Northwich
Cheshire CW9 6GB**

Company registration number 1761700

to the extent set out in Schedules 1 to 3 of this Variation Notice.

This Notice shall take effect from 31 October 2005 at 00.01 hours.

Signed

Catherine Shaw

Team Leader PIR/RSR

Authorised to sign on behalf of the Environment Agency

Date

SCHEDULE 1 - CONDITIONS TO BE DELETED

1. No conditions to be deleted

SCHEDULE 2 - CONDITIONS TO BE AMENDED

1. Condition 1.1.1 to:

- 1.1.1 The Operator is authorised to carry out the activities and the associated activities specified in Table 1.1.1.

Table 1.1.1

Activity listed in Schedule 1 of the PPC Regulations / Associated Activity	Description of specified activity	Limits of specified activity
Section 4.1A(1)(a) (ii) Producing organic compounds containing oxygen	Manufacture of organic compounds	<i>As specified in Condition 2.1.1 of this permit</i>
Section 4.1A(1)(a) (iii) Producing organic compounds containing sulphur	Manufacture of organic compounds	<i>As specified in Condition 2.1.1 of this permit</i>
Section 4.1A(1)(a) (iv) Producing organic compounds containing nitrogen	Manufacture of organic compounds	<i>As specified in Condition 2.1.1 of this permit</i>
Section 4.1A(1)(a) (v) Producing organic compounds containing phosphorus	Manufacture of organic compounds	<i>As specified in Condition 2.1.1 of this permit</i>
Section 4.2A(1)(a)(iv) Producing inorganic chemicals such as salts	Manufacture of inorganic salts	<i>As specified in Condition 2.1.1 of this permit</i>
Directly associated activity: Blending and adjusting	Mixing, blending and adjusting organic and inorganic compounds	
Directly associated activity: Solvent removal	Solvent removal by distillation at elevated temperature or under vacuum	
Directly associated activity: Storage of materials	Receipt, handling, storage and despatch of raw materials and finished products both packed and in bulk.	
Directly associated activity: Combustion activities	Burning natural gas in a steam boiler (1.7MW output) and hot oil furnace (0.24MW output).	
Directly associated activity: Effluent treatment	Handling, treatment and discharge to sewer of aqueous effluent	
Directly associated activity: Waste handling and storage	Handling and storage of various solid and liquid wastes from the process.	

2. Condition 2.1.1 to:

The Permitted Installation shall, subject to the conditions of this Permit, be managed and controlled as described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency.

Table 2.1.1 : Operating techniques

Description	Parts	Date Received
Application	The response to questions 2.1 and 2.2 given in sections B2.1.1, B2.1.2 and B2.2 of the application	6 February 2003
Response to Schedule 4 Part 1 Notice	The response to questions 6 to 23 inclusive given in sections B2.1, B2.2, appendices 1 to 6 and plans 6 to 10	21 July 2003
Application for Variation	The response to questions C2.2 and C2.3 given in sections C1.0, C2.1.2, C2.3 and C2.10 of the variation application.	7 October 2005

3. Condition 2.2.1.3 to:

2.2.1.3 The limits for emissions to air for the parameter(s) and emission point(s) set out in Table 2.2.2 shall not be exceeded.

Table 2.2.2 : Emission limits to air and monitoring

Emission point reference	Parameter	Limit (including Reference Period)^(note1)	Monitoring frequency	Monitoring method
A1	Benzyl Chloride	10mg/m ³	6 Months	BS EN 13649
A1	Formaldehyde	1mg/m ³	6 Months	BS EN 13649
A1	Amines (total as DMA)	5mg/m ³	6 Months	BS EN 13649
A1	Ammonia	15mg/m ³	6 Months	Ion Chromatography; M2 version 1 table 6.6.4
A1	VOC total class B (expressed as carbon)	75mg/m ³ ^(note 2)	6 Months	BS EN 13649

Note 1: See Section 6 of Permit BL6403IQ for reference conditions

Note 2: Concentration of 75mg/m³ if mass release rate > 2kg/h

4. Condition 2.4.1.1

The Operator shall, subject to the conditions of this Permit, use raw materials (including water) as described in the documentation specified in Table 2.4.1, or as otherwise agreed in writing by the Agency.

Table 2.4.1 : Raw materials (including water)

Description	Parts	Date Received
Application	The response to section 2.4 of the application	6 February 2003
Application for Variation	The response to question C2.4 given in section C2.4 of the variation application	7 October 2005

5. Condition 2.9.1 to:

The Operator shall, subject to the conditions of this Permit, control noise and vibration as described in the documentation specified in Table 2.9.1, or as otherwise agreed in writing by the Agency.

Table 2.9.1 : Noise and vibration

Description	Parts	Date Received
Application	The response to question 2.9 given in section C2.9 of the application	11 July 2002
Application for Variation	The response to question C2.9 given in section C2.9 of the variation application	7 October 2005

SCHEDULE 3 - CONDITIONS TO BE ADDED

1. Additions to table 1.4.1

Table 9.1.1 : Improvement programme requirements

Reference	Requirement	Date
1.4.1.5	The operator shall submit a commissioning report for the new reactor system within three months of commencing production. The report shall detail normal operating conditions and monitoring results for VOCs to the methodologies given in Table 2.2.2	30 March 2006
1.4.1.6	The operator shall review the noise management implemented under condition 2.9 plan for the installation, having regard to section 2.9 of the relevant IPPC Technical Guidance and the IPPC Horizontal Guidance for Noise. The noise management plan shall include a day and night boundary noise survey to BS4142:1997 within three months of start up.	30 March 2006

End of Variation Notice