



**ENVIRONMENT  
AGENCY**

## Variation Notice with introductory note

Pollution Prevention and Control Regulations 2000

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**Clariant UK Ltd.  
Llantwit Fardre  
Pontypridd  
CF38 2SN**

Variation Notice number

**MP3134LW**

Permit number

**BL7396**

# 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 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 activities at the installation are:- organic chemicals production, namely polymers.

This intermediate variation to the permit BL7396 permits the manufacture of a water-soluble polymer (named DPAS) made from a solid added to an aqueous solution, which is then polymerised at relatively low temperatures (circa 90deg C) in the presence of an aqueous initiator. Each batch size will be 5-6 tonnes with production levels of 50-100 tonnes per month. This process requires a variation in order to maintain customer supply of the product after the closure of Clariant's Oswaldtwistle site. A full variation to the permit will be undertaken to incorporate full transfer of all the remaining processes from the Oswaldtwistle site in due course.

The process is to be carried out in the P3 building on site whose products are currently permitted under BV4339IX, however variation to this permit BL7396 is more appropriate as the process is a polymerisation reaction. There are no releases anticipated to water or sewer directly from the process as non-hazardous washings from the reactors will be stored in the on-site effluent tanks prior to disposal and no volatile organic compounds will be emitted to air as none are used in this process.

The reaction vessel is currently connected to a condenser, which vents via the scrubber unit A2 installed in the P3 building, which is currently in use for processes permitted under BV4339IX. This release point has been given a dual designation for the purposes of this variation of A2a.

**Other PPC Permits relating to this installation**

Permit holder	Permit Number	Date of Issue
<i>Clariant UK Ltd.</i>	<i>BV4339IX</i>	<i>28<sup>th</sup> April 2004</i>

**Superseded Licenses/Consents/Authorisations relating to this installation**

Holder	Reference Number	Date of Issue
<i>None</i>	<i>-</i>	<i>-</i>

## 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 BL7396	Received 03/12/01	
Response to request for information	Request dated 11/02/02	Response dated 20/02/02 and 25/02/02
Response to request for information	Request dated 20/02/02	Response dated 01/03/02 and 04/03/02
Response to request for information	Request dated 11/03/02	Response dated 18/03/02
Permit BL7396	Determined 15/04/02	
Application for variation	Received 26/07/05	
Variation PP3037SG	Determined 30/09/05	
Application for variation	Received 24/03/06	
Variation MP3134LW	Determined 03/05/06	

*End of introductory Note*

**Variation Notice**

Pollution Prevention and Control  
(England and Wales) Regulations 2000



**ENVIRONMENT  
AGENCY**

## Variation Notice

Permit number **(The Permit)**  
**BL7396**

Variation Notice number  
**MP3134LW**

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 15 April 2002 and held by you.

**Clariant UK Ltd** ("the Operator"),

Whose Registered Office is  
**Calverley Lane**  
**Horsforth**  
**Leeds**  
**West Yorkshire**  
**LS18 4RP**

**Company registration number 3380658**

which relates to the operation of Installation at

**Llantwit Fardre**  
**Pontypridd**  
**CF38 2SN**

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

This Notice shall take effect from 3rd May 2006 at **00.01 hours**.

Signed

**Dr. Norman**  
**Allen**

Authorised to sign on behalf of the Environment Agency

Date

**3<sup>rd</sup> May 06**

Effective from 03/05/2006

## **SCHEDULE 1 - CONDITIONS TO BE DELETED**

1. None

## **SCHEDULE 2 - CONDITIONS TO BE AMENDED**

2. Condition 2.2.1 to be amended to

The Operator shall, subject to the conditions of this Permit, use raw materials (including water) as described in the documentation specified in Table 2.2.1, or as otherwise agreed in writing by the Agency.

**Table 2.2.1 : Raw materials (including water)**

<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	The response to question 2.2 given in pages 9-21 of section 2.2 and Appendix A of the application	03/12/01
Response to 1st Schedule 4 Part 1 Notice	Response to questions 5-9	20/02/02
Response to 2nd Schedule 4 Part 1 Notice	Response to questions 4-5	04/03/02
Application for Variation	Response given in Section 2.1	24/03/06

3. Condition 6.1.1 to be amended to

### **Emissions into air**

Emissions to air from the emission point(s) specified in Table 6.1.1 shall only arise from the source(s) specified in that Table.

**Table 6.1.1: Emission points into air**

<b>Emission point reference/description</b>	<b>Source</b>	<b>Location of emission point</b>
A1	Vent stack from wet scrubber attached to the polymer plant	Stack 3m above roof height of the polymer plant
A2	7m combined vent stack from the two boilers	Vent stack serving Boiler House
A2a	Vent stack from DPAS process	Stack serving P3 – designated A2 in permit BV4339IX

4. Condition 6.1.3 to be amended to

The Operator shall carry out monitoring of the parameters listed in Table 6.1.3, from the emission points and at least at the frequencies specified in that Table.

**Table 6.1.3: Emission limits into air**

Parameters	Emission Point		
	A1	A2	A2a
<i>Ammonia mg m<sup>-3</sup></i>	15	-	-
<i>Max instantaneous concentration.</i>			
<b>Frequency of monitoring</b>	Monthly	-	-
<i>Volatile Organic Compounds (as toluene).</i>	2	-	2
<i>Maximum hourly average mass emission - kg/hr</i>			
<b>Frequency of monitoring</b>	Monthly	-	-
<i>Smoke</i>	-	Note 1 Note 2	-

Note 1: When firing on natural gas smoke emissions should be invisible except for start up from cold, when emissions should not exceed Ringelmann Shade 1

Note 2: When firing on oil smoke emissions should not exceed Ringelmann Shade 1 except for start up from cold, when emissions should not exceed Ringelmann Shade 2

Where an annual mass limit for a substance is stated in Table 6.1.4, the aggregate emission of such substance from the Permitted Installation into air from the emission point(s) specified in Table 6.1.1 shall not exceed that limit in any year.

**Table 6.1.4 Annual mass limits**

Substance	Limit - kg
Ammonia	-
VOCs	-



### **SCHEDULE 3 - CONDITIONS TO BE ADDED**

5. Improvement Condition 9.11 shall be added as follows:

#### **Improvement programme**

9.1.1 The Operator shall complete the requirements specified in Table 9.1.1 by the date specified in that Table, and shall send written notification of the date of completion of each requirement to the Agency, at the Reporting Address, within 14 days of the completion of each such requirement.

**Table 9.1.1: Improvement programme requirements**

<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
9.11	A commissioning report shall be sent to the Agency on completion of the first 5 batches of DPAS polymer. The report is to include, but should not be limited to, results of emissions monitoring for organic compounds undertaken during production, a mass balance assessment and an assessment of the noise and odour impact from the process.	30 <sup>th</sup> June 2006

**END**