



**ENVIRONMENT  
AGENCY**

## **Variation Notice with introductory note**

**Pollution Prevention and Control (England & Wales) Regulations 2000**

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**Rassau Battery Manufacturing Site**

**Yuasa Battery (UK) Limited,  
Unit 22 Rassau Industrial Estate,  
Ebbw Vale,  
Gwent, NP23 5SD**

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**Variation Notice Number VP3731UW**

**Permit number**

**BV5386IX**

# Rassau Battery Manufacturing Site

## Permit Number BV5386IX

### Introductory note

***This introductory note does not form a part of the permit***

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.

#### **Brief description of the changes introduced by this variation notice**

The main purpose of the activities at the installation is the production of valve regulated, sealed, lead acid batteries. The main raw materials being lead and sulphuric acid. The site also manufactures lead oxide by the Shimadzu process, an essential ingredient in the production of the batteries.

The variation is to allow modifications to the battery storage arrangements at the site including the external storage of acid filled batteries at the installation, on land previously designated as car parking, following a change to the operations at the site. There are no additional releases to air, water or sewer.

Groundwater sampling and soil sampling have been carried out to supplement the baseline data previously gathered at the installation as part of the Permit's Site Protection and Monitoring Programme.

| Status Log of the permit            |  |  |
|-------------------------------------|--|--|
| Detail                              | Date                                       | Response Date  |
| Application BV5386IX                | Received 24/12/04                          |  |
| Response to request for information | Request dated 11/02/05 and 23/03/05        | Response dated 15/02/05, 16/02/05, 25/02/05, 28/02/05, 02/03/05, 23/03/05 and 24/03/05 |
| Permit determined                   | 09/05/05                                   |  |
| Application for variation VP3731UWX | Received 03/09/07                          |  |
| Response to request for information | Request dated 15/09/07, 30/10/07, 09/11/07 | Response dated 21/09/07, 22/10/07, 25/10/07, 07/11/07, 09/11/07                        |
| Variation notice VP3731UW issued    | 19/12/07                                   |  |

**Other PPC Permits relating to this installation**

| <b>Permit holder</b> | <b>Permit Number</b> | <b>Date of issue</b> |
|----------------------|----------------------|----------------------|
| None                 |                      |                      |

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

| <b>Holder</b>                         | <b>Reference Number</b>    | <b>Date of issue</b> |
|---------------------------------------|----------------------------|----------------------|
| Yuasa Battery (UK) Ltd Ebbw Vale site | AO1616 (IPC authorisation) | 01/12/94             |

Other activities may take place on the site of this installation which are not regulated under this Permit or any other PPC Permit referred to in the Table above.

**Other existing Licences/Authorisations/Registrations relating to this site**

| <b>Holder</b>          | <b>Reference Number</b>                          | <b>Date of issue</b> |
|------------------------|--|----------------------|
| Yuasa Battery (UK) Ltd | 20/56/64/29 variation No 1 (abstraction licence) | 01/04/01             |

End of Introductory Note

**Variation Notice**

**Pollution Prevention and Control  
(England and Wales) Regulations 2000**

## **Variation Notice**

**Permit number**

**BV5386IX**

**Variation number**

**VP3731UW**

The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations (SI 2000 No 1973), hereby authorises

**Yuasa Battery (UK) Limited ("the Operator"),**

**Of/ whose Registered Office (or principal place of business) is**  
**Unit 22**

**Rassau Industrial Estate**

**Ebbw Vale**

**Gwent NP23 5SD**

**Company registration number 1561536**

**to operate an installation at**

**Yuasa Battery (UK)**

**Unit 22**

**Rassau Industrial Estate**

**Ebbw Vale**

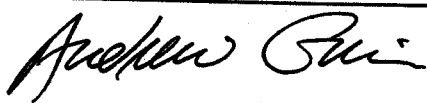
**Gwent NP23 5SD**

**to the extent set out in schedules 1 to 3 of this variation notice.**

**The notice shall take effect from 19/12/07**

**Signed**

**Date**

|   |                 |
|---|-----------------|
|  | <b>19/12/07</b> |
|---|-----------------|

**Andy Gibbs**

**Authorised to sign on behalf of the Agency**

## SCHEDULE 1 – CONDITIONS TO BE DELETED

1. None

## SCHEDULE 2 – CONDITIONS TO BE AMENDED

The following conditions are amended as follows

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 2.2 A(1)(b) : Melting of non-ferrous metals, ——— holding capacity of 5 tonnes or more. <sup>[1]</sup>  | Melting and casting of primary lead.  | From receipt of raw materials to production and storage of lead pellets, disposal of waste and emission of exhaust gases.                   |
| Section 2.2 A(2)(a) : Melting of non-ferrous metals, ——— holding capacity of 5 tonnes or more. <sup>[1]</sup>  | Melting and casting of secondary lead.                                      | From receipt of raw materials to production of lead grids, disposal of waste and emission of exhaust gases.                                 |
| Section 2.2 B(a): Melting of non-ferrous metals, ——— melting capacity of 4 tonnes or less per day for lead. <sup>[1]</sup>   | Melting and casting of secondary lead.                                      | From receipt of raw materials to production of strip cast lead, disposal of waste and emission of exhaust gases.                            |
| Section 4.2 A(1)(a)(v): Producing inorganic chemicals such as lead oxide. <sup>[1]</sup>   | Production of lead oxide from lead pellets.                                 | From receipt of lead pellets to production and storage of lead oxide, waste and emission of exhaust gases.                                  |
| Section 4.2 A(1)(d): Unless falling within another section of this Schedule, any manufacturing activity, ——— listed in paragraph 13 of Part 2 of this Schedule. <sup>[1]</sup> | Manufacture of lead paste and cutting of lead sheet to form expanded grids. | From receipt of lead oxide to production of lead paste and manufacture of grids, disposal of waste, effluent and emission of exhaust gases. |
| Directly associated activity   | Preparation of moulded cases, assembly, case sealing and battery charging.  | From receipt of charged plates to despatch of batteries, disposal of waste and emission of exhaust gases.                                   |
| Directly associated activity   | Effluent treatment  | From receipt of raw materials and effluent to discharge of treated effluent to sewer.   |
| Directly associated activity   | Treatment of abstracted water   | From receipt of raw materials and borehole water to dispatch within the installation.   |
| Directly associated activity   | Surface water collection and discharge                                      | From collection of surface water to discharge to Cwm Nant Mellyn  |
| Directly associated activity   | Combustion processes that are < 20 MWth input.                              | From receipt of raw materials to production and disposal of waste, effluent and emission of exhaust gases.                                  |
| Directly associated activity   | External storage of wet batteries   | From receipt of assembled batteries to charging and dispatch from the installation  |

Note [1] refer to PPC Regulations 2000, Schedule 1, Part 1.

- 2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency in accordance with conditions 1.5.1 and 1.5.2 of this Permit.

Table 2.1.1: Operating techniques

| Description                        | Parts  | Date Received                            |
|------------------------------------|--|--|
| Application                        | The response to questions 2.1 and 2.2 given in the following sections of the application<br>Section 2.1<br>Section 2.2 excluding tables 2.2.1, 2.2.1a & b, 2.2.2, 2.2.3 2.2.4 and Appendix<br>Section 2.3 excluding Appendices 2, 3, 4 and 5<br>Section 2.4<br>Section 2.5 excluding Table 2.5.1<br>Section 2.6<br>Section 2.7 excluding Table 2.7.3 and Appendices 1, 2, 3 and 4<br>Section 2.8 excluding Appendices 1 and 2<br>Section 2.9 excluding Appendix 1<br>Section 2.10 excluding Appendix 1<br>Section 2.11 | 24/12/04                                 |
| Further information                | Regarding above sections and the installation boundary.  | Received on 15/02/05, 16/02/05, 25/02/05 |
| Application for variation VP3731UW | The response to questions 2.1 - 2.11 given in the application including the supplementary information; Report detailing proposed modifications to battery storage  | Received 09/07/07                        |

- 2.2.8.1 The Operator shall comply with the requirements specified in Table 2.2.11, which supplement or replace emission limit values in accordance with Regulation 12(8) of the PPC Regulations.

Table 2.2.11 Equivalent parameters and technical measures

| Parameter or measure   | Requirement or description of measure, and frequency if relevant  |
|--|---|
| A27 - A37  | The temperature of the furnaces to be maintained at < 500 C. If temperature is >500 C for more than 1 hour, the Operator to notify the Agency under condition 5.1.1   |
| A1, A2, A13, A14, A20 and A23 abatement                        | Maintain pressure drop across the abatement between 2 and 6 inch water gauge. If the pressure falls either side of this range, the Operator to inform the Agency under condition 5.1.1                        |
| A38, A39, A44, A46, A48, A50, A52, A54, A56-58, A60-61, A63-64 | Annual boiler efficiency testing to be carried out at each combustion source of each release point. Results of the efficiency testing to be reported to the Agency by 31 <sup>st</sup> December of each year. |

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

The following conditions are added to the permit

**Table 1.4.1**

| Table 1.4.1: Improvement programme |  |            |
|------------------------------------|--|------------|
| Reference                          | Requirement  | Date       |
| IC24                               | The Operator shall install a valve to the final discharge point of the site surface water drainage system to enable the operator to adequately control discharges from the drainage system to the brook, particularly in the event of a spillage of pollutants into the system. The proposed item of equipment and method of operation shall be agreed in writing with the Agency. | 31/03/2008 |
| IC25                               | The Operator shall review options to allow for the measurement and monitoring for pH in the surface water drainage system, including continuous or regular sampling. The proposed item of equipment; method of operation, location and frequency of sampling shall be agreed in writing with the Agency.   | 31/03/2008 |

**END OF VARIATION**