

# Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

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Hydro Aluminium Deeside Ltd

Wrexham Aluminium Works  
Bridge Road  
Wrexham Industrial Estate  
Wrexham  
LL13 9PS

Variation application number  
EPR/BK3638IF/V004

Permit number  
EPR/BK3638IF

# Wrexham Aluminium Works

## Permit number EPR/BK3638IF

### 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 corrects an error in table S4.1 in schedule 4 of the permit.

The schedules of this notice 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.

| <b>Status log of the permit</b>                     |                       |                                                          |
|-----------------------------------------------------|-----------------------|----------------------------------------------------------|
| <b>Description</b>                                  | <b>Date</b>           | <b>Comments</b>                                          |
| Application BK3638                                  | Received<br>7/09/01   |                                                          |
| Response to Schedule<br>4 Part1 Notice 11<br>/12/01 | Received<br>14/01 /02 |                                                          |
| Supplementary<br>Information                        | Received<br>30/01/02  | Map and slight amendment to<br>waste storage information |
| Supplementary<br>Information                        | Received<br>25/02/02  | Further slight amendment to<br>waste storage             |
| Supplementary<br>Information                        | Received<br>08/03/02  | Clarification regarding<br>monitoring details            |
| Variation Notice<br>EA/EPR/BK36381F/V00<br>2        | Issued<br>14/07/09    | Agency initiated Permit<br>review                        |
| Variation Application                               | Received<br>19/03/14  |                                                          |
| Variation Notice<br>EPR/BK3638/IF/V003              | Issued<br>20/06/14    |                                                          |
| Variation Notice<br>EPR/BK3638/IF/V004              | Issued<br>29/04/15    | NRW initiated variation to<br>correct table S4.1         |

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/BK3638IF**

issued to  
**Hydro Aluminium Deeside Ltd** (“the operator”)

whose registered office is

**Bridge Road  
Wrexham Industrial Estate  
Wrexham  
LL13 9PS**

company registration number 1786117

to operate a regulated facility at

**Bridge Road  
Wrexham Industrial Estate  
Wrexham  
LL13 9PS**

to the extent set out in the schedules.

The notice shall take effect from 29 April 2015

Name

Date

|                                                                                     |                      |
|-------------------------------------------------------------------------------------|----------------------|
|  | <b>29 April 2015</b> |
|-------------------------------------------------------------------------------------|----------------------|

Eirian Macdonald  
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 an administrative variation initiated by Natural Resources Wales

Table S4.1 shall be amended to:

| <b>Table S4.1 Point source emissions to air – emission limits and monitoring requirements</b> |                                          |                                     |                                     |                         |                             |                                      |
|-----------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------|-------------------------------------|-------------------------|-----------------------------|--------------------------------------|
| <b>Emission point ref. &amp; location</b>                                                     | <b>Parameter</b>                         | <b>Source</b>                       | <b>Limit (including unit)</b>       | <b>Reference period</b> | <b>Monitoring frequency</b> | <b>Monitoring standard or method</b> |
| A1<br>As shown on drawing number CL(50)01/B<br>Ref 5                                          | Sulphur dioxide                          | Vent from bag filter plants 1 and 2 | 25 mg/m <sup>3</sup>                | 2 hour average          | Six monthly                 | BS EN 14791                          |
|                                                                                               | Volatile Organic Carbons (as Carbon)     | Vent from bag filter plants 1 and 2 | 20 mg/m <sup>3</sup>                | 4 hour                  | Six monthly                 | BS EN 12619:1999                     |
|                                                                                               | Gaseous fluorides (as HF)                | Vent from bag filter plants 1 and 2 | 1 mg/m <sup>3</sup>                 | –                       | Six monthly                 | BS ISO 15713                         |
|                                                                                               | Hydrogen chloride                        | Vent from bag filter plants 1 and 2 | 10 mg/m <sup>3</sup>                | –                       | Six monthly                 | BS EN 1911                           |
|                                                                                               | Dioxins                                  | Vent from bag filter plants 1 and 2 | 0.1 ng/m <sup>3</sup>               | Minimum 4 hour          | Six monthly                 | BS EN 1948                           |
|                                                                                               | Carbon Monoxide                          | Vent from bag filter plants 1 and 2 | 100 mg/m <sup>3</sup>               | –                       | Six monthly                 | BS EN 15058                          |
|                                                                                               | Oxides of nitrogen (as NO <sub>2</sub> ) | Vent from bag filter plants 1 and 2 | 60 mg/m <sup>3</sup>                | 4 hour                  | Six monthly                 | BS EN 14792                          |
|                                                                                               | Particulate                              | Vent from bag filter plants 1 and 2 | For calibration purposes – no limit | 4 hour                  | Annual                      | BS EN 13284-1                        |
|                                                                                               | Particulate                              | Vent from bag filter plants 1 and 2 | 5 mg/m <sup>3</sup>                 | Monthly average         | Continuous                  | BS EN 15267-3 <sup>(1)</sup>         |
|                                                                                               | Particulate                              | Vent from bag filter plants 1 and 2 | 10 mg/m <sup>3</sup>                | Daily average           | Continuous                  | BS EN 15267-3 <sup>(1)</sup>         |
| A12<br>As shown on drawing number CL(50)01/B<br>Ref 6                                         | Sulphur dioxide                          | Vent from bag filter plant 3        | 25 mg/m <sup>3</sup>                | 2 hour average          | Six monthly                 | BS EN 14791                          |

**Table S4.1 Point source emissions to air – emission limits and monitoring requirements**

| Emission point ref. & location                    | Parameter                                | Source                       | Limit (including unit)              | Reference period | Monitoring frequency | Monitoring standard or method |
|---------------------------------------------------|------------------------------------------|------------------------------|-------------------------------------|------------------|----------------------|-------------------------------|
|                                                   | Volatile Organic Carbons (as Carbon)     | Vent from bag filter plant 3 | 20 mg/m <sup>3</sup>                | 4 hour average   | Six monthly          | BS EN 12619:1999              |
|                                                   | Gaseous fluorides (as HF)                | Vent from bag filter plant 3 | 1 mg/m <sup>3</sup>                 | -                | Six monthly          | BS ISO 15713                  |
|                                                   | Hydrogen chloride                        | Vent from bag filter plant 3 | 10 mg/m <sup>3</sup>                | -                | Six monthly          | BS EN 1911                    |
|                                                   | Dioxins                                  | Vent from bag filter plant 3 | 0.1 ng/m <sup>3</sup>               | Minimum 4 hour   | Six monthly          | BS EN 1948                    |
|                                                   | Carbon Monoxide                          | Vent from bag filter plant 3 | 100 mg/m <sup>3</sup>               | -                | Six monthly          | BS EN 15058                   |
|                                                   | Oxides of nitrogen (as NO <sub>2</sub> ) | Vent from bag filter plant 3 | 60 mg/m <sup>3</sup>                | 4 hours          | Six monthly          | BS EN 14792                   |
|                                                   | Particulate                              | Vent from bag filter plant 3 | For calibration purposes – no limit | 4 hours          | Annual               | BS EN 13284-1                 |
|                                                   | Particulate                              | Vent from bag filter plant 3 | 5 mg/m <sup>3</sup>                 | Monthly average  | continuous           | BS EN 15267-3 <sup>(1)</sup>  |
|                                                   | Particulate                              | Vent from bag filter plant 3 | 10 mg/m <sup>3</sup>                | Daily average    | Continuous           | BS EN 15267-3 <sup>(1)</sup>  |
| A13<br>As shown on drawing number CL(50)01/B Ref4 | Carbon Monoxide                          | Vent from holding furnace    | 150 mg/m <sup>3</sup>               | -                | Annual               | BS EN 15058                   |
|                                                   | Oxides of nitrogen (as NO <sub>2</sub> ) |                              | 60 mg/m <sup>3</sup>                | 4 hour           | Annual               | BS EN 14792                   |
|                                                   | Particulate                              |                              | 10 mg/m <sup>3</sup>                | Daily average    | Continuous           | BS EN 15267-3 <sup>(1)</sup>  |
|                                                   | Particulate                              |                              | For calibration purposes – no limit | 4 hours          | Annual               | BS EN 13284-1                 |
| A15<br>As shown on drawing number CL(50)01/B Ref3 | N/A                                      | Vent from casting pit        | N/A                                 | N/A              | N/A                  | N/A                           |
| A16<br>(NGR SJ 376 492)                           | N/A                                      | Continuous homogeniser       | N/A                                 | N/A              | N/A                  | N/A                           |

Note 1: certification to the MCERTS performance standards indicates compliance with BS EN 15267-3

**Schedule 3 – conditions to be added**

None