



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

# Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

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Real Alloy UK Limited

Wauarlwyydd Works  
Wauarlwyydd  
Swansea  
SA5 4SF

Variation application number  
EPR/EP3935UC/V004

Permit number  
EPR/EP3935UC

# Waunarlwydd Works

## Permit number EPR/EP3935UC

### 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 authorises the use of a 1.5 tonne single rotary furnace to be used for the sampling and analysis of batches of scrap aluminium. Emissions from this furnace will be captured using via an extension to the existing local exhaust ventilation system and routed to the site's bag filtration plant.

The variation also authorises the extension of the installation boundary to increase raw material (scrap aluminium) storage. Scrap aluminium will only be stored indoors within a building located within the extended area.

We have also included reference to a revised version of the raw materials and wastes storage and handling section of the original permit, which has been updated in line with the changes that have occurred at the site since the permit was first issued in 2003. We have also specified areas within the installation boundary where the operator is permitted to store scrap aluminium and aluminium drosses.

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.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application BM 1384	Received 14/12/2001	
Additional information received	20/02/2002	Response to 1 <sup>st</sup> Schedule 4 notice.
Additional information received.	18/07/2002	Response to 2 <sup>nd</sup> Schedule 4 notice.
Additional information received.	18/07/2002	Response to 3 <sup>rd</sup> Schedule 4 notice.
Additional information received.	18/07/2002	Response to 4 <sup>th</sup> Schedule 4 notice.

**Status log of the permit**

<b>Description</b>	<b>Date</b>	<b>Comments</b>
Additional information received.	18/07/2002	Response to 5 <sup>th</sup> Schedule 4 notice.
Request by the Environment Agency to extend determination date from 27/08/02 to 27/11/02	Request dated 19/07/2002	Request accepted 24/07/2002
Request by the Environment Agency to extend determination date from 27/11/02 to 27/02/03	Request dated 28/10/2002	Request accepted 30/10/2002
Permit BM 1385	Granted 05/09/2003	
Variation notice BX1411	Effective 19/01/2004	Reduction in emission limits and addition of improvement condition 9.14
Variation notice WP3339SP	Effective 18/01/2005	Addition of 4 further Improvement Conditions (9.15 to 9.18) linked to raw material storage, unauthorised release of aluminium, furnace fumes on start-up and addition of a higher percentage of oily material/ thermal breaks to furnace. Setting of limits for ammoniacal nitrogen to water and sulphur dioxide to air.
Variation notice GP4232MN	Effective 29/06/2007	Amendment of SO <sub>2</sub> limits for release point A4 and changes in sampling frequencies for some surface water determinands. Additional improvement items requiring investigation into site surface water also included. Schedule d1 has been renamed to Schedule 1.
Transfer EP3935UC (T001)	Received 01/03/2007 Effective 26/07/2007	Whole transfer from IMCO Recycling (UK) Ltd to Aleris Recycling (Swansea) Ltd. Consolidation of permit conditions.
Variation application EPR/EP3935UC/V002	Duly made 09/08/2013	Application to replace bag house plants and introduce an oxy-fuel combustion system.
Additional information received	17/10/2013	Revised Part A, Part C3 and updated emission point plan.
Additional information received	30/11/2013	Confirmation of monitoring standards and proposals for supplying baseline groundwater data.
Variation EPR/ EP3935UC/V002	11/12/2013	Varied and consolidated permit issued in modern condition format.

**Status log of the permit**

<b>Description</b>	<b>Date</b>	<b>Comments</b>
Variation application EPR/EP3935UC/V003	Duly made 09/06/15	Administrative variation to reflect company name change.
Variation application EPR/EP3935UC/V003 determined	03/07/15	Variation issued.
Variation application EPR/EP3935UC/V004	Duly made 28/08/15	Application to increase installation boundary and include 1.5 tonne rotary furnace.
Additional information requested	11/11/15	Revised site plan and pollution control measures for additional aluminium scrap storage areas.
Additional information received	18/12/15	Revised site plan and information regarding storage pollution control received.
Additional information requested	17/11/15	Revised raw materials and wastes storage and handling description document, including plan showing storage locations for raw materials and wastes.
Additional information received	18/12/15	Raw materials and wastes storage and handling document and plan received.
Variation application EPR/EP3935UC/V004 determined	05/02/16	Variation issued.

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/EP3935UC**

issued to:  
**Real Alloy UK Limited** (“the operator”)

whose registered office is

**Westfield Industrial Park  
Waunarlydd  
Swansea  
United Kingdom  
SA5 4SF**

company registration number **03221771**

to operate a regulated facility at

**Waunarlydd Works  
Waunarlydd  
Swansea  
SA5 4SF**

to the extent set out in the schedules.

The notice shall take effect from 05/02/2016

Name

Date

	<b>05 February 2016</b>
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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 the application made by the operator.

Table S1.1 shall be amended to:

<b>Table S1.1 activities</b>		
<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity and WFD Annex I and II operations</b>	<b>Limits of specified activity and waste types</b>
S2.2 A1(b)(i)	Melting, including making alloys, of non ferrous metals, including recovered products and the operation of non-ferrous metal foundries where the plant has a melting capacity of more than 4 tonnes per day for lead or cadmium or 20 tonnes per day for all other metals.	<p>The limits of specified and associated activities collectively comprise all activities carried out in the installation between the receipt of raw materials and the supply of finished products.</p> <p>Waste types as specified in Table S2.2.</p>
<b>Directly Associated Activity</b>		
<b>R13:</b> Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)		<p>The limits of specified and associated activities collectively comprise all activities carried out in the installation between the receipt of raw materials and the supply of finished products.</p> <p>Storage for secondary sources of aluminium scrap materials restricted to areas shown on Site layout plan in Schedule 7.</p>
Sampling and analysis of aluminium alloys and aluminium scrap material.		Batch melting of aluminium alloys and aluminium scrap material in a 1.5 tonne rotary furnace to produce samples for analysis.

Table S1.2 shall be amended to:

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	The response to question B2.1, B2.2, B2.3, B2.4 B2.5, B2.7, B2.8, B2.9, B2.10, B2.11 and B2.12 in the application.	14/12/2001
Response to 1 <sup>st</sup> Schedule 4 notice	Response to questions 2 to 19 inclusive.	20/02/2002
Response to 2 <sup>nd</sup> Schedule 4 notice	Response to questions 22, 23 and 26 to 46 inclusively.	18/07/2002
Response to 3 <sup>rd</sup> Schedule 4 notice	Response to question 54.	31/10/2002
Response to 4 <sup>th</sup> Schedule 4 notice	Response to questions 22.	18/12/2002
Variation application EPR/EP3935UC/V002	Sections 3.3, 4.1, 4.2, 4.3 and 4.4 in supporting document SOL0113AL01 Volume 1.	09/08/2013
Further information received	Confirmation of emission monitoring standards.	30/11/2013
Variation application EPR/EP3935UC/V004	Sections 2.3, 2.4 in supporting document SOL1503RA01.	28/08/2015
Response to Schedule 5 notice	Confirmation of pollution control measures in place for additional aluminium scrap storage	18/12/2015
Response to Schedule 5 notice	Report 'SOL1503RA01 Schedule 5 response' on raw materials and waste storage and handling.	18/12/2015

**Schedule 3 – conditions to be added**

None.

## Schedule 4 – amended plan

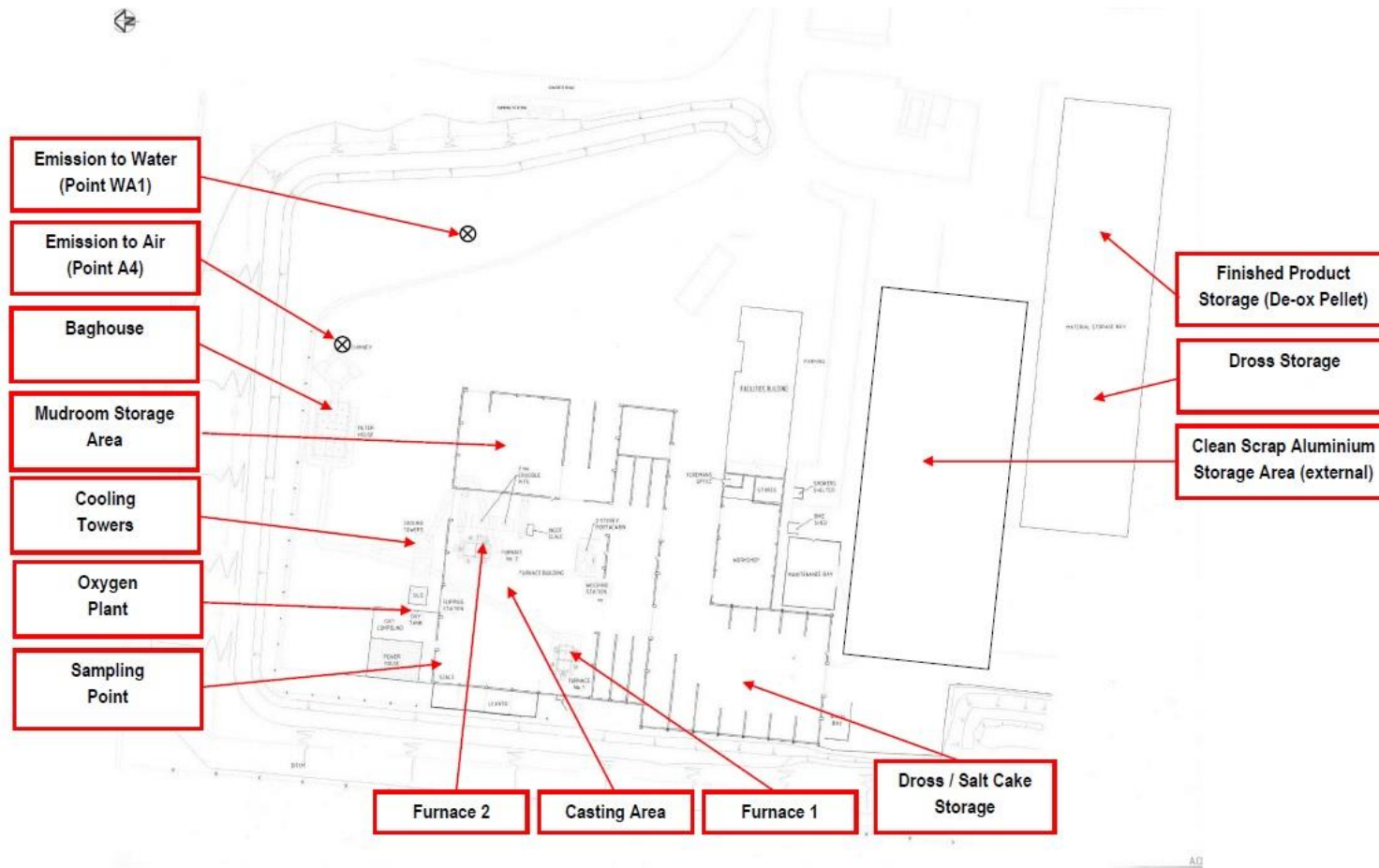
Plans 'Installation boundary plan' and 'Installation point source emission plan' in Schedule 7 shall be replaced by:

Installation boundary plan





# Site layout plan



1. Do not scale off this drawing 2. All dimensions to be confirmed on site 3. This drawing is copyright of Sol Environment Ltd 4. This drawing is to be read in conjunction with relevant consultant drawings and specifications	Rev:	Date:	Desc:	Client:	REAL ALLOY (UK) LTD	Job No.:	SOL1512RA01	Drawing No.:	RA01
	0	DEC 15	Original	Project:	WESTBURY INDUSTRIAL ESTATE	Date:	DEC 15	Revision:	0
				Drawing Title:	SITE PLAN	Drawn By:	SOPHIE PERRIN	Scale:	NTS


 Sol Environment Ltd  
 2<sup>nd</sup> Floor,  
 10 The Lees, Malvern,  
 Worcestershire WR14 3HT  
 T: +44(0)1684 572727  
 E: enquiries@sol-environment.co.uk  
 www.sol-environment.co.uk

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