

Permit Number: EPR/EP3935UC Operator: Real Alloy UK limited
 Facility: Waunarlwydd Works Form Number: Air1 / 21/02/23

Reporting of emissions to air for the period from 1/10/2023 to 31/12/2023

Emission Point	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
	Substance / Parameter	Limit Value					
A4	Particulate Matter	5 mg/m ³	Continuous	2	BS EN 13284-1 and MID	24/10/2023 10.58-12.28; 11.30-14:00	0.19
	Oxides of Nitrogen (as NO ₂)	60 mg/m ³	Average extractive sample		BS EN 14792 and MID		
	Hydrogen chloride	10 mg/m ³	Average extractive sample	4.2	BS EN 1911	24/10/2023 10.58-12.28; 11.30-14:00	0.23
	Volatile Organic Compounds	30 mg/m ³	Average extractive sample	10.4	BS EN 12619	24/10/2023 11.08 – 14.08	0.49
	Sulphur dioxide	50 mg/m ³	Average extractive sample	11.3	BS EN 14791	24/10/2023 11.08-14.08	0.49
	Hydrogen fluoride	1 mg/m ³	Periodic over minimum 1 hr period		BS ISO 15713 and MID		
	Dioxins (ITEQ)	0.1 ng/m ³	Periodic minimum 6 hours, maximum 8 hour period		BS EN 1948 Parts 1, 2 and 3 and MID		
	Particulate Matter	4500 kg/year	Annual total	2964		2023	

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed
(Authorised to sign as representative of Operator)

Date.....

Permit Number: EPR/EP3935UC

Operator: Real Alloy UK limited

Facility: Waunarlwydd Works

Form Number: WaterUsage1 / 21/02/23

Reporting of Water Usage for the year 2023

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /unit output)
Mains water	762m ³	
Site borehole		
River abstraction		
TOTAL WATER USAGE		

Operator's comments :

Signed Date.....
 (authorised to sign as representative of Operator)

Permit Number: **EPR/EP3935UC**

Operator: **Real Alloy UK limited**

Facility: **Waunarlwydd Works**

Form Number: **Energy1 / 21/02/23**

Reporting of Energy Usage for the year 2023

Energy Source	Energy Usage Quantity	Primary Energy (MWh)	Specific Usage (MWh/unit output)
Electricity *	MWh	12,284.07	4,724.643
Natural Gas	MWh	53,242	53,242
Gas Oil	tonnes	0	
Recovered Fuel Oil	tonnes	0	
TOTAL	-		

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

Signed
(Authorised to sign as representative of Operator)

Date.....

Permit Number: EPR/EP3935UC

Operator: Real Alloy UK limited

Facility: Waunarlwydd Works

Form Number: Performance1 /21/02/23

Reporting of other performance indicators for the period 1/1/2023 to 31/12/2023

Parameter	Units
Total raw material used	70,931 tonnes

Operator's comments :
 For the period January 2023 – December 2023, Swan Alloy UK Ltd received 70,931 input tonnes which was converted into 46,863 tonnes of aluminium. The average recovery was 66.07%.

Signed
 (Authorised to sign as representative of Operator)

Date.....