

Permit Number: EPR/BB3790FX

Operator: ALUK (GB) Limited


Facility: Chepstow Aluminium Treatment Plant

Form Number: Air1 / 24/06/20

Reporting of emissions to air for the period from 01/01/2024 to 31/12/2024

Emission Point	Substance / Parameter	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value						
A1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	70 mg/m ³		Periodic (average over hour)	AluK confirm that the A1 Flash Anodising Process has not been in operation during 2024	BS EN 14792: 2017	na	na
A1	Sulphur dioxide	25 mg/m ³		Periodic (average over hour)	AluK confirm that the A1 Flash Anodising Process has not been in operation during 2024	BS EN 14791:2017	na	na
A1	Particulate matter	25 mg/m ³		Periodic (average over hour)	AluK confirm that the A1 Flash Anodising Process has not been in operation during 2024.	BS EN 13284-1:2017 & MID	na	na
A1	Hydrogen fluoride	2.0 mg/m ³		Periodic (average over hour)	AluK confirm that the A1 Flash Anodising Process has not been in operation during 2024	BS ISO 15713:2006 & MID / PD C EN/TS 17340:2020	na	na
A2	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	70 mg/m ³		Periodic (average over hour)	0.097mg/m ³	BS EN 14792: 2017	01/10/2024 13:45 – 14:45	2%
A2	Sulphur dioxide	25 mg/m ³		Periodic (average over hour)	0.54mg/m ³	BS EN 14791:2017	01/10/2024 11:28 – 12:30	13%
A2	Particulate matter	25 mg/m ³		Periodic (average over hour)	0.67mg/m ³	BS EN 13284-1:2017 & MID	01/10/2024 11:28 – 12:30	>100%
A2	Hydrogen fluoride	2.0 mg/m ³		Periodic (average over hour)	0.03mg/m ³	PD CEN/TS 17340:2020	01/10/2024 12:50 – 13:52	13%

- [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.....20/01/2025.....

Permit Number: EPR/BB3790FX Operator: ALUK (GB) Limited
 Facility: Chepstow Aluminium Treatment Plant Form Number: WaterUsage1 / 24/06/20

Reporting of Water Usage for the year 2024

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /tonne output)
TOTAL WATER USAGE	11541m ³ /year	5.040m ³ /tonnes output

Operator's comments:

Finished Product: 2,289,490kg div by 1000 = 2289.49 tonnes

11541 m³ div by 2289.49t = 5.040 = 5.040m³/tonnes output

Tonnes used instead of units as a metric to normalise the variation in profile size and weight

Signed 
 (authorised to sign as representative of Operator)

Date.....20/01/2025.....

Permit Number: EPR/BB3790FX

Operator: ALUK (GB) Limited

Facility: Chepstow Aluminium Treatment Plant

Form Number: Energy1 / 24/06/20

Reporting of Energy Usage for the year 2024

Energy Source	Energy Usage Quantity	Primary Energy (MWh)	Specific Usage (MWh/tonne output)
Electricity *	1597.86 MWh	3834.86 MWh	1.675 MWh/tonnes output
Natural Gas	2252.02 MWh	2252.02 MWh	0.9836 MWh/tonnes output
TOTAL			

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

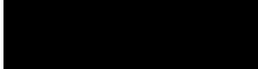
Finished Product: 2,289,490kg div by 1000 = 2289.49 tonnes

2024:

Electricity: 1597860kWh 1597860kWh div by 1000= 1597.86 MWh Primary energy: 1597.86MWh x 2.4 =3834.86MWh
Specific Usage: 3834.86 MWh div by 2289.49t = 1.675 MWh/t output

Gas: 2252021 kWh 2252021kWh div by 1000= 2252.02 MWh
Specific Usage: = 2252.02 MWh div by 2289.49t = 0.9836 MWh/t output

Tonnes used instead of units as a metric to normalise the variation in profile size and weight

Signed 
(Authorised to sign as representative of Operator)

Date.....20/01/2025.....

Permit Number: EPR/BB3790FX Operator: ALUK (GB) Limited
Facility: Chepstow Aluminium Treatment Plant Form Number: Performance1 / 24/06/20

Reporting of other performance indicators for the period 01/01/2024 to 31/12/2024

Parameter	Result
Finished Product (Tonnes)	2289.49 tonnes
Waste Produced (Tonnes)	415.87 tonnes

Operator's comments:
Finished Product: 2,289,490kg div by 1000 = 2289.49 tonnes
Waste Produced: 415.87 tonnes

Signed 

Date.....20/01/2025.....

(Authorised to sign as representative of Operator)