

Permit Number: EA/EPR/BK3638IF/V002

Operator:

Hydro Aluminium Deeside

Facility: Wrexham Aluminium Works

Form Number: Air1b

Reporting of emissions to air for the period from 01/01/21 to 30/06/21

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
A1	Particulates	-	4 hour average	2.60 mg/m ³	BS EN 13284-1	14/06/21, 11:15 – 15:43	0.5 mg/m ³
A1	Sulphur Dioxide	25 mg/m ³	2 hour average	0.15 mg/m ³	BS EN 14791	15/06/21, 11:02 – 13:02	0.03 mg/m ³
A1	Volatile Organic Compounds	20 mg/m ³	Hourly average	-1.9 mg/m ³ (result minus uncertainty. Actual result is 1.4 mg/m ³)	BS EN 13526	14/06/20, 11:15 – 15:15	3.3 mg/m ³
A1	Gaseous Fluorides (as HF)	1 mg/m ³	Hourly average	0.01 mg/m ³	BS ISO 15713	15/06/21, 13:22 – 15:22	0.01 mg/m ³
A1	Hydrogen Chloride	10 mg/m ³	Hourly average	0.05 mg/m ³	BS EN 1911	14/06/21, 13:35 – 15:35	0.01 mg/m ³
A1	Dioxins	0.1 ng/m ³	4 hour average	0.0012 ng/m ³	BS EN 1948	15/06/21, 09:57 – 13:57	0.0001 ng/m ³
A1	Carbon Monoxide	100 mg/m ³	Hourly average	3.4 mg/m ³	BS EN 15058	14/06/20, 11:15 – 15:15	2.2 mg/m ³
A1	Oxides of Nitrogen	60 mg/m ³	Hourly average	16.2 mg/m ³	BS EN 14792	14/06/20, 11:15 – 15:15	1.8 mg/m ³

Signed ...Joel Priest
(Authorised to sign as representative of Operator)

Date.....22/07/21.....

Results have been corrected as per condition 3.1.4

Permit Number: EA/EPR/BK3638IF/V002

Operator:

Hydro Aluminium Deeside

Facility: Wrexham Aluminium Works

Form Number: Air1c

Reporting of emissions to air for the period from 01/01/21 to 30/06/21

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
A12	Particulates	-	4 hour average	-0.04 mg/m ³ (result minus uncertainty. Actual result is 0.47 mg/m ³)	BS EN 13284-1	14/06/21, 11:10 – 15:41	0.51 mg/m ³
A12	Sulphur Dioxide	25 mg/m ³	2 hour average	0.9 mg/m ³	BS EN 14791	15/06/21, 11:00 – 13:00	0.1 mg/m ³
A12	Volatile Organic Compounds	20 mg/m ³	Hourly average	0 mg/m ³	BS EN 13526	15/06/20, 09:40 – 13:40	3.2 mg/m ³
A12	Gaseous Fluorides (as HF)	1 mg/m ³	Hourly average	0.05 mg/m ³	BS ISO 15713	15/06/21, 13:25 – 15:25	0.03 mg/m ³
A12	Hydrogen Chloride	10 mg/m ³	Hourly average	0.03 mg/m ³	BS EN 1911	14/06/21, 13:35 – 15:35	0.02 mg/m ³
A12	Dioxins	0.1 ng/m ³	4 hour average	0.0004 ng/m ³	BS EN 1948	15/06/21, 09:57 – 14:00	0.0001 ng/m ³
A12	Carbon Monoxide	100 mg/m ³	Hourly average	6.9 mg/m ³	BS EN 15058	15/06/20, 09:40 – 13:40	2.2 mg/m ³
A12	Oxides of Nitrogen	60 mg/m ³	Hourly average	15.1 mg/m ³	BS EN 14792	15/06/20, 09:40 – 13:40	1.9 mg/m ³

Signed ...Joel Priest.....
 (Authorised to sign as representative of Operator)

Date.....22/07/21.....

Results have been corrected as per condition 3.1.4

Permit Number: EA/EPR/BK3638IF/V002

Operator:

Hydro Aluminium Deeside

Facility: Wrexham Aluminium Works

Form Number: Air1d

Reporting of emissions to air for the year2021.....

Emission							
Emission Point	Substance / Parameter	Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
A13	Particulates	-	4 hour average	0.39 mg/m ³	BS EN 13284-1	16/06/21, 09:54 – 14:36	0.27 mg/m ³
A13	Carbon monoxide	150mg/m ³	Hourly average	-10.9 mg/m ³ (result minus uncertainty. Actual result is 1.1 mg/m ³)	BS EN 15058	16/06/21, 10:30 – 14:30	12 mg/m ³
A13	Oxides of nitrogen	60mg/m ³	Hourly average	10.8 mg/m ³	BS EN 14792	16/06/21, 10:30 – 14:30	3.2 mg/m ³

SignedJoel Priest.....
(Authorised to sign as representative of Operator)

Date.....22/07/21.....