

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 01/07/17 to 31/12/17

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
A1	Particulates	-		Measured on 19/06/17			
A1	Sulphur Dioxide	25 mg/m ³	2 hour average	10.8 mg/m ³	BS EN 14791	30/11/17, 13:00 – 15:00	1.2 mg/m ³
A1	Volatile Organic Compounds	20 mg/m ³	Hourly average	8.11 mg/m ³	BS EN 13526	29/11/17, 11:52 – 15:52	0.69 mg/m ³
A1	Gaseous Fluorides (as HF)	1 mg/m ³	Hourly average	0.00 mg/m ³	BS ISO 15713	29/11/17, 11:50 – 13:50	0.02 mg/m ³
A1	Hydrogen Chloride	10 mg/m ³	Hourly average	0.29 mg/m ³	BS EN 1911	30/11/17, 10:17 – 12:17	0.03 mg/m ³
A1	Dioxins	0.1 ng/m ³	4 hour average	0.001 ng/m ³	BS EN 1948	29/11/17, 11:24 – 15:24	0.002 ng/m ³
A1	Carbon Monoxide	100 mg/m ³	Hourly average	5.9 mg/m ³	BS EN 15058	29/11/17, 11:52 – 15:52	5.1 mg/m ³
A1	Oxides of Nitrogen	60 mg/m ³	Hourly average	24.7 mg/m ³	BS EN 14792	29/11/17, 11:52 – 15:52	2.3 mg/m ³

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

Date.....05/01/18.....

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 01/07/17 to 31/12/17

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
A12	Particulates	-		Measured on 19/06/17			
A12	Sulphur Dioxide	25 mg/m ³	2 hour average	-0.01 mg/m ³	BS EN 14791	30/11/17, 10:17 – 12:17	0.20 mg/m ³
A12	Volatile Organic Compounds	20 mg/m ³	Hourly average	4.8 mg/m ³	BS EN 13526	30/11/17, 10:17 – 14:17	0.60 mg/m ³
A12	Gaseous Fluorides (as HF)	1 mg/m ³	Hourly average	0.00 mg/m ³	BS ISO 15713	29/11/17, 14:15 – 16:15	0.02 mg/m ³
A12	Hydrogen Chloride	10 mg/m ³	Hourly average	1.17 mg/m ³	BS EN 1911	30/11/17, 13:00 – 15:00	0.13 mg/m ³
A12	Dioxins	0.1 ng/m ³	4 hour average	-0.001 ng/m ³	BS EN 1948	29/11/17, 11:24 – 15:24	0.01 ng/m ³
A12	Carbon Monoxide	100 mg/m ³	Hourly average	8.9 mg/m ³	BS EN 15058	30/11/17, 10:17 – 14:17	5.1 mg/m ³
A12	Oxides of Nitrogen	60 mg/m ³	Hourly average	34.9 mg/m ³	BS EN 14792	30/11/17, 10:17 – 14:17	2.1 mg/m ³

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

Date.....05/01/18.....

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 year2017.....

Emission							
Emission Point	Substance / Parameter	Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
A13	Particulates	-	4 hour average	0.08 mg/m ³	BS EN 13284-1	21/06/17, 10:20 – 14:55	0.77 mg/m ³
A13	Carbon monoxide	150mg/m ³	Hourly average	1.0 mg/m ³	BS EN 15058	21/06/17, 10:50 – 14:50	2.0 mg/m ³
A13	Oxides of nitrogen	60mg/m ³	Hourly average	17.7 mg/m ³	BS EN 14792	21/06/17, 10:50 – 14:50	3.3 mg/m ³

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

Date.....28/07/17.....

Results have been corrected as per condition 3.1.4