

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 01/07/16 to 31/12/16

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
A1	Particulates	-		(annual sampling for calibration of CEM completed 29/06/16)			
A1	Sulphur Dioxide	25 mg/m ³	2 hour average	0.52 mg/m ³	BS EN 14791	01/11/16, 10:00 – 12:00	0.07 mg/m ³
A1	Volatile Organic Compounds	20 mg/m ³	Hourly average	11.4 mg/m ³	BS EN 13526	31/10/16, 18:00 – 22:00	3.6 mg/m ³
A1	Gaseous Fluorides (as HF)	1 mg/m ³	Hourly average	0.018 mg/m ³	BS ISO 15713	31/10/16, 12:30 – 14:30	0.002 mg/m ³
A1	Hydrogen Chloride	10 mg/m ³	Hourly average	0.043 mg/m ³	BS EN 1911	31/10/16, 10:00 – 12:00	0.007 mg/m ³
A1	Dioxins	0.1 ng/m ³	4 hour average	0.002 ng/m ³	BS EN 1948	01/11/16, 09:15 – 13:15	0.004 ng/m ³
A1	Carbon Monoxide	100 mg/m ³	Hourly average	69.7 mg/m ³	BS EN 15058	31/10/16, 18:00 – 22:00	2.3 mg/m ³
A1	Oxides of Nitrogen	60 mg/m ³	Hourly average	4.0 mg/m ³	BS EN 14792	31/10/16, 18:00 – 22:00	4.1 mg/m ³

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

Date.....02/12/16.....

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 01/07/16 to 31/12/16

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
A12	Particulates	-		(annual sampling for calibration of CEM completed 30/06/16)			
A12	Sulphur Dioxide	25 mg/m ³	2 hour average	0.20 mg/m ³	BS EN 14791	01/11/16, 10:00 – 12:00	0.03 mg/m ³
A12	Volatile Organic Compounds	20 mg/m ³	Hourly average	12.6 mg/m ³	BS EN 13526	31/10/16, 18:00 – 22:00	1.4 mg/m ³
A12	Gaseous Fluorides (as HF)	1 mg/m ³	Hourly average	0.0 mg/m ³	BS ISO 15713	31/10/16, 12:30 – 14:30	0.0 mg/m ³
A12	Hydrogen Chloride	10 mg/m ³	Hourly average	0.044 mg/m ³	BS EN 1911	31/10/16, 10:00 – 12:00	0.006 mg/m ³
A12	Dioxins	0.1 ng/m ³	4 hour average	0.001 ng/m ³	BS EN 1948	01/11/16, 09:15 – 13:15	0.004 ng/m ³
A12	Carbon Monoxide	100 mg/m ³	Hourly average	65.0 mg/m ³	BS EN 15058	31/10/16, 18:00 – 22:00	10.0 mg/m ³
A12	Oxides of Nitrogen	60 mg/m ³	Hourly average	5.2 mg/m ³	BS EN 14792	31/10/16, 18:00 – 22:00	4.1 mg/m ³

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

Date.....02/12/16.....

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 year2016.....

Emission							
Emission Point	Substance / Parameter	Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
A13	Particulates	-		(annual sampling for calibration of CEM completed 27/06/16)			
A13	Carbon monoxide	150mg/m ³	Hourly average	13.5 mg/m ³	BS EN 15058	27/06/16, 10:41 – 14:41	2.5 mg/m ³
A13	Oxides of nitrogen	60mg/m ³	Hourly average	14.8 mg/m ³	BS EN 14792	27/06/16, 10:41 – 14:41	4.2 mg/m ³

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

Date.....27/07/16.....

Results have been corrected as per condition 3.1.4