

Permit Number: EA/EPR/BK36381F/V002

Operator:

Hydro Aluminium Deeside

Facility:

Wrexham Aluminium Works

Form Number:

Air1b

Reporting of emissions to air for the period from 01/01/14 to 30/06/14



Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
A1	Particulates	-	4 hour average	0.38 mg/m ³	BS EN 13284	01/07/14, 09:07 – 13:31	0.33 mg/m ³
A1	Sulphur Dioxide	25 mg/m ³	2 hour average	0.12 mg/m ³	BS EN 14791	01/07/14, 09:48 – 11:48	0.02 mg/m ³
A1	Volatile Organic Compounds	20 mg/m ³	Hourly average	17.1 mg/m ³	BS EN 13526	01/07/14, 01:00 – 05:00	2.7 mg/m ³
A1	Gaseous Fluorides (as HF)	1 mg/m ³	4 hour average	0.15 mg/m ³	BS ISO 15713	30/06/14, 12:43 – 13:43	0.02 mg/m ³
A1	Hydrogen Chloride	10 mg/m ³	Hourly average	0.11 mg/m ³	BS EN 1911	30/06/14, 14:30 – 15:30	0.01 mg/m ³
A1	Dioxins	0.1 ng/m ³	4 hour average	0.008 ng/m ³	BS EN 1948	30/06/14, 12:43 – 16:43	0.002 ng/m ³
A1	Carbon Monoxide	100 mg/m ³	Hourly average	55.3 mg/m ³	BS EN 15058	01/07/14, 01:00 – 05:00	2.7 mg/m ³
A1	Oxides of Nitrogen	60 mg/m ³	Hourly average	3.7 mg/m ³	BS EN 14792	01/07/14, 01:00 – 05:00	4.2 mg/m ³

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

Date.....04/08/14.....

Results have been corrected as per condition 3.1.4

CONTINUING RETURNS N. MAI 15

CHECKED vs AUTHORISATION

PACKAGING

OK FOR PUBLIC RELEASE

INITIALS DATE

MK 29.8.14

JB 20.8.14

MK 29.8.14

JB EDAM

Permit Number: EA/EPR/BK36381F/V002

Operator:

Hydro Aluminium Deeside

Facility:

Wrexham Aluminium Works

Form Number:

Air1c

Reporting of emissions to air for the period from 01/01/14 to 30/06/14

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
A12	Particulates	-	4 hour average	0.03 mg/m ³	BS EN 13284	01/07/14, 09:07 – 13:31	0.21 mg/m ³
A12	Sulphur Dioxide	25 mg/m ³	2 hour average	0.11 mg/m ³	BS EN 14791	01/07/14, 09:48 – 11:48	0.01 mg/m ³
A12	Volatile Organic Compounds	20 mg/m ³	Hourly average	7.2 mg/m ³	BS EN 13526	01/07/14, 01:00 – 05:00	1.3 mg/m ³
A12	Gaseous Fluorides (as HF)	1 mg/m ³	4 hour average	0.12 mg/m ³	BS ISO 15713	30/06/14, 12:43 – 13:43	0.02 mg/m ³
A12	Hydrogen Chloride	10 mg/m ³	Hourly average	2.37 mg/m ³	BS EN 1911	30/06/14, 14:30 – 15:30	0.33 mg/m ³
A12	Dioxins	0.1 ng/m ³	4 hour average	0.026 ng/m ³	BS EN 1948	30/06/14, 12:43 – 16:43	0.004 ng/m ³
A12	Carbon Monoxide	100 mg/m ³	Hourly average	93.7 mg/m ³	BS EN 15058	01/07/14, 01:00 – 05:00	3.3 mg/m ³
A12	Oxides of Nitrogen	60 mg/m ³	Hourly average	4.7 mg/m ³	BS EN 14792	01/07/14, 01:00 – 05:00	4.1 mg/m ³

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

Date.....04/08/14.....

Results have been corrected as per condition 3.1.4

Permit Number: EA/EPR/BK36381F/V002

Operator:

Hydro Aluminium Deeside

Facility:

Wrexham Aluminium Works

Form Number:

Air1d

Reporting of emissions to air for the year2014.....

Emission		Emission		Emission		Emission		Emission	
Emission Point	Substance / Parameter	Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty		
A13	Particulates	-	4 hour average	0.28 mg/m ³ (actual result given – result minus uncertainty is -0.02 mg/m ³) mg/m ³	BS EN 13284	02/07/14, 09:03 – 13:32	0.30 mg/m ³		
A13	Carbon monoxide	150mg/m ³	Hourly average	3.2 mg/m ³	BS EN 15058	02/07/14, 09:08 – 13:08	2.6 mg/m ³		
A13	Oxides of nitrogen	60mg/m ³	Hourly average	9.8 mg/m ³	BS EN 14792	02/07/14, 09:08 – 13:08	4.2 mg/m ³		

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

Date.....04/08/14.....

Results have been corrected as per condition 3.1.4

