

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 01/01/13 to 30/06/13

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result (actual result given – result minus uncertainty is -0.02 mg/m³)	Test Method	Sample Date and Times	Uncertainty
A1	Particulates	-	4 hour average	0.17 mg/m ³	BS EN 13284	25/06/13, 09:22 – 14:09	0.19 mg/m ³
A1	Sulphur Dioxide	25 mg/m ³	2 hour average	0.47 mg/m ³	BS EN 14791	25/06/13, 14:36 – 16:36	0.06 mg/m ³
A1	Volatile Organic Compounds	20 mg/m ³	Hourly average	5.8 mg/m ³	BS EN 13526	25/06/13, 16:30 – 20:30	1.3 mg/m ³
A1	Gaseous Fluorides (as HF)	1 mg/m ³	4 hour average	0.18 mg/m ³	BS ISO 15713	26/06/13, 12:05 – 13:05	0.03 mg/m ³
A1	Hydrogen Chloride	10 mg/m ³	Hourly average	0.15 mg/m ³	BS EN 1911	26/06/13, 10:51 – 11:51	0.02 mg/m ³
A1	Dioxins	0.1 ng/m ³	4 hour average	0.017 ng/m ³	BS EN 1948	26/06/13, 10:28 – 14:28	0.006 ng/m ³
A1	Carbon Monoxide	100 mg/m ³	Hourly average	9.9 mg/m ³	BS EN 15058	25/06/13, 16:30 – 20:30	2.1 mg/m ³
A1	Oxides of Nitrogen	60 mg/m ³	Hourly average	17.2 mg/m ³	BS EN 14792	25/06/13, 16:30 – 20:30	1.8 mg/m ³

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

Date.....24/07/13.....

Results have been corrected as per condition 3.1.4



RECEIVED
24 JUL 2013

CHIEFED BY AUTHORIZATION
SL 6.8.13

TRACING
JB 25.7.13

OK FOR PUBLIC RELEASE
SL 6.8.13

DATE
JB 26.7.13

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 01/01/13 to 30/06/13

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
A12	Particulates	-	4 hour average	0.17 mg/m ³ (actual result given – result minus uncertainty is -0.08 mg/m ³)	BS EN 13284	25/06/13, 09:22 – 14:09	0.25 mg/m ³
A12	Sulphur Dioxide	25 mg/m ³	2 hour average	1.93 mg/m ³	BS EN 14791	25/06/13, 14:36 – 16:36	0.27 mg/m ³
A12	Volatile Organic Compounds	20 mg/m ³	Hourly average	7.28 mg/m ³	BS EN 13526	25/06/13, 15:10 – 19:10	0.52 mg/m ³
A12	Gaseous Fluorides (as HF)	1 mg/m ³	4 hour average	0.24 mg/m ³	BS ISO 15713	26/06/13, 14:45 – 15:45	0.03 mg/m ³
A12	Hydrogen Chloride	10 mg/m ³	Hourly average	0.11 mg/m ³	BS EN 1911	26/06/13, 13:28 – 14:28	0.01 mg/m ³
A12	Dioxins	0.1 ng/m ³	4 hour average	0.0175 ng/m ³	BS EN 1948	26/06/13, 10:28 – 14:33	0.0059 ng/m ³
A12	Carbon Monoxide	100 mg/m ³	Hourly average	16.0 mg/m ³	BS EN 15058	25/06/13, 15:10 – 19:10	5.0 mg/m ³
A12	Oxides of Nitrogen	60 mg/m ³	Hourly average	1.2 mg/m ³ (actual result given – result minus uncertainty is -0.5 mg/m ³)	BS EN 14792	25/06/13, 15:10 – 19:10	1.7 mg/m ³

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

Date24/07/13.....

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 year2013.....

Emission							
Emission Point	Substance / Parameter	Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
A13	Particulates	-	4 hour average	0.13 mg/m ³ (actual result given – result minus uncertainty is -0.06 mg/m ³ mg/m ³)	BS EN 13284	27/07/13, 10:05 – 14:43	0.19 mg/m ³
A13	Carbon monoxide	150mg/m ³	Hourly average	3.3 mg/m ³	BS EN 15058	27/07/13, 10:40 – 14:40	2.1 mg/m ³
A13	Oxides of nitrogen	60mg/m ³	Hourly average	19.2 mg/m ³	BS EN 14792	27/07/13, 10:40 – 14:40	1.8 mg/m ³

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

Date.....24/07/13.....

Results have been corrected as per condition 3.1.4

