

Permit Number: EA/EPR/BK36381F/V002

Operator:

Hydro Aluminium Deeside

Facility:

Wrexham Aluminium Processing

Form Number:

Air1a

Reporting of emissions to air for the quarter from 01/01/14 to 31/03/14



Emission Point	Substance / Parameter	Emission Limit Value	Month 1	Month 2	Month 3
			Maximum Daily average value	Maximum Daily average value	Maximum Daily average value
A1	Particulate Matter	10 mg/m ³ (daily average)	0.41	0.22	0.69
A12	Particulate Matter	10 mg/m ³ (daily average)	0.09	0.11	0.10
A13	Particulate Matter	10 mg/m ³ (daily average)	0.41	0.49	0.25

Emission Point	Substance / Parameter	Emission Limit Value	Month 1	Month 2	Month 3
			Average of daily average values	Average of daily average values	Average of daily average values
A1	Particulate Matter	5 mg/m ³ (monthly average)	0.29	0.17	0.27
A12	Particulate Matter	5 mg/m ³ (monthly average)	0.08	0.08	0.08
A13	Particulate Matter	-	0.29	0.26	0.42

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

Date:.....02/04/14.....

Results have been corrected as per condition 3.1.4

ONTARIO RETURNS N. WAL-S

CHECKED VS AUTHORIZATION

INITIALS DATE
SL 14.4.14

TRACKING

JB 14.4.14

OK FOR PUBLIC REGISTER

SL 14.4.14

WREXHAM ALUMINIUM PROCESSING

JB EPRM.

Permit Number: EA/EPR/BK36381F/V002

Operator: Hydro Aluminium Limited

Facility: Wrexham Aluminium Works

Form Number: Water1

Reporting of emissions to water (other than to sewer) and land for the period from 01/01/2014 to 31/03/2014

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
W1	BOD	10 mg/l	Single sample	<1	TM045: MEWAM BOD5 2nd Ed, HMSO 1988 / Method 5210B, AWWA/APHA, 20th ed, 1999; SCA Blue Book 130	14/01/2014, 12:40	±6.9%
W1	Suspended Solids	35 mg/l	Single sample	2.91	TM022: Method 2540D, AWWA/APHA, 20th ed, 1999 / BS2690 Part 120 1981; BS EN 872	14/01/2014, 12:40	±3%
W1	pH	6 – 9	Single sample	8.18	TM256: determination of pH in water using the GlpH Meter	14/01/2014, 12:40	±0.02%
W1	COD	125 mg/l	Single sample	13.04	TM107: ISO6060:1989	14/01/2014, 12:40	±1.2%
W1	Ammoniacal Nitrogen	5 mg /l	Single sample	<0.2	TM099: BS2690 Part 7, 1968 / BS6068 Part 2.1.1, 1984	14/01/2014, 12:40	±3.8%
W1	Aluminium	0.5 mg/l	Single sample	0.082	TM152: Method 3125B, AWWA/APHA, 20th ed, 1999	14/01/2014, 12:40	±3.8%
W1	Total Hydrocarbon Oil	2 mg/l	Single sample	0.293	TM172: Analysis of petroleum hydrocarbons in environmental media	14/01/2014, 12:40	±10.5%
W1	Temperature	25 °C	Single sample	17	Mercury thermometer	14/01/2014, 12:40	Not known
W1	Flow	N/A	-	-	Not measured – agreed that water emission volumes can be calculated from cooling water bleed-off and casting pit emptying (CAR I/110329/BK3638).	-	-

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

Results have been corrected as per condition 3.1.4.

Date 14/01/2014 RETURN N. WAL-5



CHECKED Vs AUTHORISATION

TRACKING

OK FOR PUBLIC REGISTRY

INITIALS DATE

SPC 14.4.14

JB 14.4.14

SPC 14.4.14