

Permit Number: EA/EP/R/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 01/10/2013 to 31/12/2013

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
W1	BOD	10 mg/l	Single sample	-	-	-	-
W1	Suspended Solids	35 mg/l	Single sample	-	-	-	-
W1	pH	6 - 9	Single sample	-	-	-	-
W1	COD	125 mg/l	Single sample	-	-	-	-
W1	Ammoniacal Nitrogen	5 mg /l	Single sample	-	-	-	-
W1	Aluminium	0.5 mg/l	Single sample	-	-	-	-
W1	Total Hydrocarbon Oil	2 mg/l	Single sample	-	-	-	-
W1	Temperature	25 °C	Single sample	-	-	-	-
W1	Flow	N/A	-	-	-	-	-

Note: 'Nil Return' submitted following on-site discussion with the Environment Agency on 14th June 2012. There were no discharges to W1 that required a sample to be taken in Oct-Dec 2013. Sample was taken on 14/01/14 - results reported separately.

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

Date.....23/01/14.....

Results have been corrected as per condition 3.1.4.



Wrexham Aluminium Works

WATER EMISSIONS RETURN

INITIALS DATE

CHECKED BY AUTHORISATION ☒ SK 23.1.14

TRACKING ☒ JB 23.1.14

OK FOR PUBLIC REGISTER ☒ SK 23.1.14

☒ JB 23.1.14

Permit Number: EA/EPR/BK3638/FN002

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 2.11, 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 /110329/BK3638).		

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

Date 23/01/2014.....

Results have been corrected as per condition 3.1.4.

