

Permit Number: EA/EPR/BK3638IF/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 01/10/2016 to 31/12/2016

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
W1	BOD	10 mg/l	Single sample	2.19	TM045: MEWAM BOD5 2nd Ed, HMSO 1988 / Method 5210B, AWWA/APHA, 20th ed, 1999; SCA Blue Book 130	19/12/2016, 09:15	±6.9%
W1	Suspended Solids	35 mg/l	Single sample	<2	TM022: Method 2540D, AWWA/APHA, 20th ed, 1999 / BS2690 Part 120 1981; BS EN 872	19/12/2016, 09:15	±3%
W1	pH	6 – 9	Single sample	7.86	TM256:determination of pH in water using the GLpH Meter	19/12/2016, 09:15	±0.02%
W1	COD	125 mg/l	Single sample	9.43	TM107: ISO6060:1989	19/12/2016, 09:15	±1.2%
W1	Ammoniacal Nitrogen	5 mg /l	Single sample	<0.2	TM099: BS2690 Part 7, 1968 / BS6068 Part 2.11, 1984	19/12/2016, 09:15	±3.8%
W1	Aluminium	0.5 mg/l	Single sample	0.031	TM152: Method 3125B, AWWA/APHA, 20th ed, 1999	19/12/2016, 09:15	±3.8%
W1	Total Hydrocarbon Oil	2 mg/l	Single sample	<0.05	TM172: Analysis of petroleum hydrocarbons in environmental media	19/12/2016, 09:15	±10.5%
W1	Temperature	25 °C	Single sample	10	Mercury thermometer	19/12/2016, 09:15	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).	-	-

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

Date05/01/2017.....

Results have been corrected as per condition 3.1.4.

Note 1: Sample was taken from W1 following emptying of the casting pit and retention in the on-site balancing pond.