

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 01/01/2020 to 31/03/2020**

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
W1	BOD	10 mg/l	Single sample	3.09 mg/m <sup>3</sup>	TM045: MEWAM BOD5 2nd Ed, HMSO 1988 / Method 5210B, AWWA/APHA, 20th ed, 1999; SCA Blue Book 130	10/01/2020, 09:15	±6.9%
W1	Suspended Solids	35 mg/l	Single sample	5.72 mg/m <sup>3</sup>	TM022: Method 2540D, AWWA/APHA, 20 <sup>th</sup> ed, 1999 / BS2690 Part 120 1981; BS EN 872	10/01/2020, 09:15	±3%
W1	pH	6 – 9	Single sample	7.87	TM256: determination of pH in water using the GLpH Meter	10/01/2020, 09:15	±0.02%
W1	COD	125 mg/l	Single sample	15.31 mg/m <sup>3</sup>	TM107: ISO6060:1989	10/01/2020, 09:15	±1.2%
W1	Ammoniacal Nitrogen	5 mg /l	Single sample	<0.2 mg/m <sup>3</sup>	TM099: BS2690 Part 7, 1968 / BS6068 Part 2.11, 1984	10/01/2020, 09:15	±3.8%
W1	Aluminium	0.5 mg/l	Single sample	0.04 mg/m <sup>3</sup>	TM152: Method 3125B, AWWA/APHA, 20 <sup>th</sup> ed, 1999	10/01/2020, 09:15	±3.8%
W1	Total Hydrocarbon Oil	2 mg/l	Single sample	0.14 mg/m <sup>3</sup>	TM235: Determination of total petroleum hydrocarbons in waters by infrared spectroscopy	10/01/2020, 09:15	±10.5%
W1	Temperature	25 °C	Single sample	8°C	Mercury thermometer	10/01/2020, 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).	-	-

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

Date .....30/01/2020.....

Results have been corrected as per condition 3.1.4.