

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 01/07/2021 to 30/09/2021

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
W1	BOD	10 mg/l	Single sample	1.92	TM045: MEWAM BOD5 2nd Ed, HMSO 1988 / Method 5210B, AWWA/APHA, 20th ed, 1999; SCA Blue Book 130	18/08/2021, 09:45	±6.9%
W1	Suspended Solids	35 mg/l	Single sample	<2	TM022: Method 2540D, AWWA/APHA, 20 th ed, 1999 / BS2690 Part 120 1981; BS EN 872	18/08/2021, 09:45	±3%
W1	pH	6 – 9	Single sample	7.57	TM256: determination of pH in water using the GLpH Meter	18/08/2021, 09:45	±0.02%
W1	COD	125 mg/l	Single sample	9.94	TM107: ISO6060:1989	18/08/2021, 09:45	±1.2%
W1	Ammoniacal Nitrogen	5 mg /l	Single sample	<0.2	TM099: BS2690 Part 7, 1968 / BS6068 Part 2.11, 1984	18/08/2021, 09:45	±3.8%
W1	Aluminium	0.5 mg/l	Single sample	0.119	TM152: Method 3125B, AWWA/APHA, 20 th ed, 1999	18/08/2021, 09:45	±3.8%
W1	Total Hydrocarbon Oil	2 mg/l	Single sample	0.168	TM235: Determination of total petroleum hydrocarbons in waters by infrared spectroscopy	18/08/2021, 09:45	±10.5%
W1	Temperature	25 °C	Single sample	17°C	Mercury thermometer	18/08/2021, 09:45	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).	-	-

Note: .

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

Date21/10/2021.....