

Surface Water H1 Risk Assessment

<https://www.gov.uk/guidance/surface-water-pollution-risk-assessment-for-your-environmental-permit>

RFR: Watercourse Q95 flow

EFR: Effluent flow rate (maximum)

EFR: Effluent flow rate (mean)

0.3690	m ³ /s
0.12210	m ³ /s
0.05150	m ³ /s

Notes:

Insufficient samples to meet minimum requirements - minimum of 12 is recommended.
BC is downstream data from NRW sampling not upstream concentrations. No data available.
Freshwater EQS (AA) calculated using M-BAT i.e site specific Predicted no-effect concentration (PNEC).



									Initial Screening		TEST 1		TEST 2			TEST 3			TEST 4	
Determinand	Units	LOD	Freshwater EQS (AA)*PNEC	Freshwater EQS (MAC)	No. of Samples	Minimum Reporting Value (MRV) in discharge	Release Concentration (RC) - Discharge (Maximum)	Release Concentration (RC) - Discharge (Mean)	Is the discharge substance > LOD?	Is the LOD>10% of EQS?	10% EQS (AA)	Is the RC >10% of the EQS (AA)?		Process Contribution (PC) (Mean)	4% EQS (AA)	Is the PC >4% of the EQS (AA)?	Predicted Environmental Concentration (PEC) (Mean)	Background Concentration (BC) (Mean)	Is the difference between BC and the PEC >10% of the EQS (AA)?	Is AA PEC > AA EQS?
Copper (dissolved)	ug/l	0.5	9.29		2	0.50	4.4	4.05	Yes	Yes	0.92900	Yes		5.0E-01	0.37160	Yes	0.49611	0.000106	No	No