

APPENDIX 8.1
FRESHWATER FISH DIRECTIVE -
IMPERATIVE AND GUIDELINE
STANDARDS

Freshwater Fish Directive: summary of Imperative standards

Parameter	Imperative standards			Notes
	Units	Salmonid	Cyprinid	
Temperature	°C	1.5	3.0	Increase due to thermal discharge
	°C	21.5	28.0	Maximum at monitoring site
	°C	10.0	10.0	Maximum for breeding season
Dissolved oxygen	mg/l	50% >9	50% >7	
pH	-	6 to 9	6 to 9	
Phenols	-	No odour	No odour	
Hydrocarbon oil	-	Non visible	Non visible	
Non-ionised ammonia	mg/l	0.025	0.025	
Total ammonium	mg/l	1.0	1.0	
Total residual chlorine	mg/l	0.005	0.005	
Total zinc (standard is dependent on the average yearly hardness)	mg/l	0.03	0.3	Hardness <= 10 milligrammes CaCO ₃ / litre
	mg/l	0.2	0.7	Hardness <= 50 & > 10 milligrammes CaCO ₃ / litre
	mg/l	0.3	1.0	Hardness <= 100 & > 50 milligrammes CaCO ₃ / litre
	mg/l	0.5	2.0	Hardness > 100 milligrammes CaCO ₃ / litre