

Concentration Limit Table

St Mary's Advanced Water Treatment Plant

EPL 13210

Updated 10-08-2023

Sydney Water's treatment plants operate under environmental protection licences issued by the NSW Environmental Protection Authority. (EPA). For each monitoring/discharge point the concentration of a pollutant must not exceed the concentration limits specified for that pollutant in the table.

pollutant	unit of measure	50 percentile limit	90 percentile limit	100 percentile limit
chlorine (total residual)	mg/L		0.1	
nitrogen (ammonia)	mg/L	0.3	0.75	0.9
nitrogen (total)	mg/L	0.8	1.5	
phosphorus (total)	mg/L	0.03	0.1	

A licence condition with a 100 Percentile Limit means that 100% of samples (or all samples) taken must not exceed the limit for that pollutant. This can be extrapolated for other percentiles, for example an 80 Percentile Limit means that 80% of samples taken must not exceed the limit for that pollutant within the annual licence period.