

Kwinana Water Reclamation Plant

Kwinana Water Reclamation Plant (KWRP): Treatment of secondary treated wastewater from the Woodman Point wastewater treatment plant into a high quality industrial grade water supplied to Kwinana industry in place of scheme water.

The Kwinana Water Reclamation Plant treats 24 ML/d of secondary treated wastewater from the Woodman Point wastewater treatment plant, and produces 17 ML/d of high quality industrial grade water (40-50 mg/L TDS) that is reticulated to Kwinana industry through a dedicated scheme. An immediate benefit will see the amount of treated industrial wastewater discharged by industry to Cockburn Sound reduced by 6 ML/d. There will also be an 18 ML/d reduction in the secondary treated effluent flow from Woodman Point WWTP to the ocean through the Sepia Depression Ocean Outlet. Also, the reclamation plant will greatly reduce the demand for scheme water from the Kwinana industrial area by 6 GL/a, replacing around 2% of Perth's total annual scheme water use.