Fact Sheet

How we are recycling water in Western Australia?

Groundwater replenishment
This involves recharging high quality recycled water into aquifers and storing for future use.

Recycling water to the environment
This may involve augmenting rivers and stream flows with recycled water and increasing water supplied to wetlands and lakes. In the South West region, the Swamphen, Island and Peninsula wetlands are enhanced with approximately 30 to 70 million litres of treated and disinfected wastewater each year from the Capel Wastewater Treatment Plant.

Increasing recycled water to industry
The Kwinana Water Recycling Plant has been supplying high quality recycled water to the nearby industrial area since 2004. As a result, Kwinana industry has more than halved its use of our drinking water.

Dual reticulation
This is where two separate pipes deliver two types of water – one for drinking water, another for non-drinking uses such as garden watering or toilet flushing.

The water source for non-drinking uses can be from recycled water, greywater, stormwater, rainwater, or groundwater.

Irrigating public open space
We are involved in approximately 50 water recycling schemes in Western Australia to irrigate parks, gardens, golf courses, sports grounds and other open spaces. We also provide recycled water free for community uses where it is available.

Sewer mining
This is the process of extracting, treating and using wastewater before it reaches a wastewater treatment plant.

Case Studies
There are four water recycling case studies that can be found at watercorporation.com.au:

- McGillivray Oval
- Albany Tree Farm
- Kulin Playing Fields
- Kwinana Water Recycling Plant

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