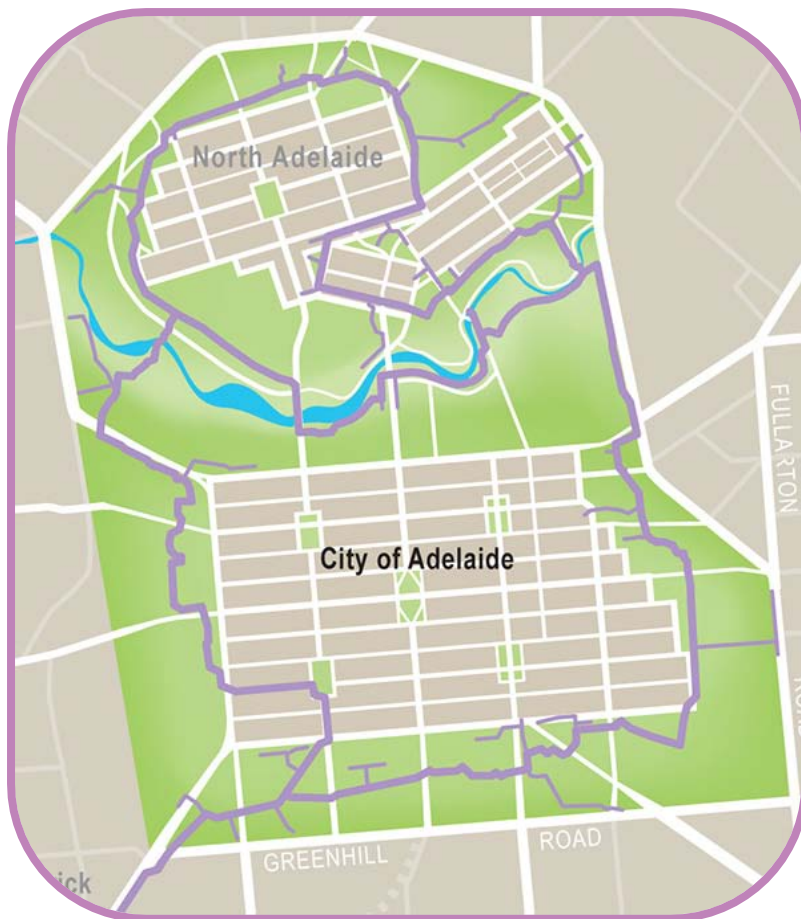


## Glenelg to Adelaide Parklands Recycled Water Project

### *A Water Proofing Adelaide Initiative*

The Glenelg to Adelaide Park Lands recycled water project (GAP) is a landmark project for Adelaide. It was developed by the South Australian Government with funding from the National Water Commission and in partnership with Adelaide City Council.



Completed on January 11, 2010, the project delivers a sustainable supply of up to 3.8 billion litres annually of recycled water for the Adelaide Park Lands and City of Adelaide. Most significantly, this long-term solution is not dependent on other water sources, including the River Murray.

### **Improving our environment**

This capability delivers a number of environmental benefits for Adelaide, including:

- Reduced discharges of treated wastewater into the Gulf St Vincent
- Increased annual reuse of treated wastewater from the Glenelg WWTP of more than 3 times
- Improved the health of the River Torrens and water quality in Torrens Lake.

### **Why do we need recycled water?**

Careful planning and management of our water resources is necessary to ensure we can continue to meet future water needs in an increasingly uncertain climate. By using recycled water, we can enable all Adelaide residents and visitors to enjoy full use of our Park Lands while conserving valuable resources.

## How is wastewater recycled?

A new wastewater treatment plant (WWTP) has been built next to the existing Glenelg WWTP to receive the treated wastewater. The new plant then uses a mixture of ultrafiltration membranes, ultraviolet disinfection and chlorine disinfection to ensure that the water is safe for use and meets very strict quality standards.

The recycled water produced by this plant has a higher salt content than drinking water but is perfectly suitable for managed irrigation of parks and open spaces, flushing toilets and commercial uses



Glenelg WWTP

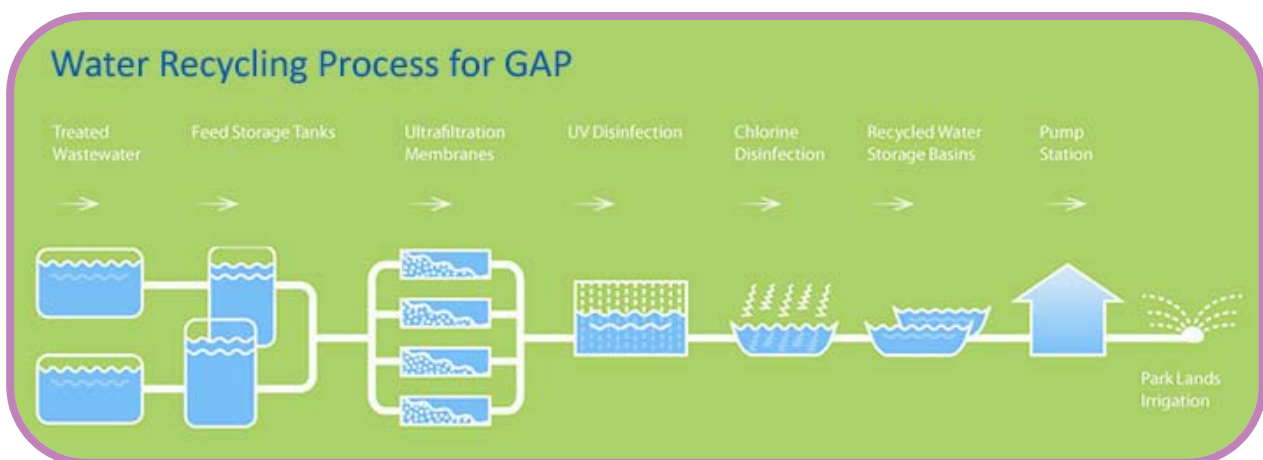


Adelaide Park Lands

## What does the plant consist of?

Overall, this project delivers one of South Australia's largest infrastructure projects. The main construction elements include:

- a new wastewater treatment facility at the Glenelg WWTP
- recycled water storage tanks and pump station at Glenelg WWTP
- an underground pipeline from Glenelg to the Park Lands
- a pump station and underground storage tank on the edge of the Park Lands
- a network of underground pipes around the entire North Adelaide and CBD Park Lands.



To find out more about other SA Water projects, please visit our website at [www.sawater.com.au](http://www.sawater.com.au)