

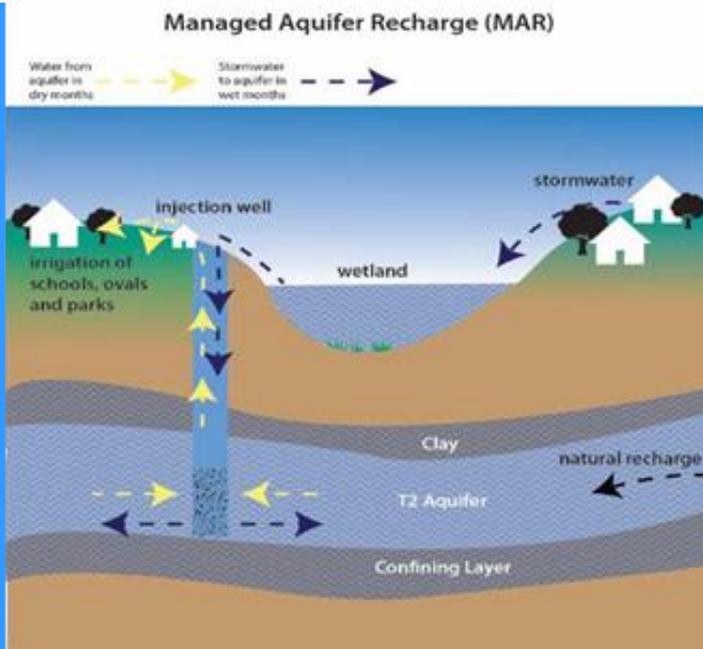
RECYCLED WATER SCHEME - FAQs

Waterproofing Playford is a water-security program that provides water for irrigation across the City of Playford. It includes five wetland sites that collect and treat stormwater, which is stored in underground aquifers and used for irrigation during summer.

What are the opportunities for securing water in the future?

Council has committed funds towards improving City presentation and securing water for the future.

City of Playford has of more recently engaged with the Virginia Pipeline Scheme to enhance our irrigation by using already-treated recycled water.



Virginia Pipeline Scheme

The Virginia Pipeline Scheme established in 1998 supplies recycled water from the SA Water Bolivar Wastewater Treatment Plant for horticultural irrigation in the Virginia and Angle Vale areas.

The Virginia Pipeline Scheme is owned and operated by SA Water and supplies to about 400 customers.

Where will the water be used?

The water will be used to irrigate Council reserves, sports fields, community and school ovals.

Council currently has 55 kilometres of pipe for irrigation use

What are the benefits to using recycled water?

Environmental Benefits

Using recycled water reduces the demand on existing water resources such as the River Murray and native groundwater. Council's wetlands and processes used to capture, treat and harvest local water increase local biodiversity.

The wetlands also provide opportunities for environmental education and scientific research, helping to ensure City of Playford's goal of being a responsible and sustainable city.

Economic Benefits

The use of recycled water on Council's sports fields, parklands, community and school ovals will provide significant cost savings. This means that, despite water restrictions, Council reserves, parks and ovals can continue to be used all-year round for recreation and active sports use.

Social Benefits

The development of five wetlands in the City of Playford used for irrigating landscapes, community parks and school ovals has enhanced our city presentation making it a more attractive place to live as well as providing recreational areas.

What is the approval process to use recycled water?

The approval process is heavily regulated, in order for Council to successfully obtain a licence to use recycled water.

Council has conducted a feasibility study to determine water security viability and availability, as well as groundwater modeling and a risk assessment for licensing approval.

Council will need to apply for a new license to inject and store treated recycled water from the Virginia Pipeline Scheme for irrigation use.

The licensing requirements include:

- EPA (license to inject water into the aquifer)
- DEWNR (license to extract water from the aquifer)
- Department of Health (ensures that the water is fit for purpose)
- Australian Pesticides and Veterinary Medicines Authority (Rotenone permit)
- Essential Services Commission of South Australia (ESCOSA) (license as a retailer)
- Office of the Technical Regulator (OTR)

How will Council manage the sites?

Council already successfully manages four Managed Aquifer Recharge (MAR) sites:

- Andrews Farm
- Stebonheath and Curtis Roads
- Munno Para
- NEXY Basin

The Waterproofing Project proposes to use recycled water from the Virginia Pipeline Scheme. The recycled water will be diverted into Council's existing Managed Aquifer Recharged (MAR) recycled stormwater system at the corner of Stebonheath and Curtis Roads, Munno Para where it will be managed and stored.

What is the quality of the water?

Water is treated at the SA Water Bolivar Wastewater Treatment Plant, where it goes through an extra stage of filtration to make it fit for the purpose of irrigation.

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**WATERPROOFING
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