

# soil aquifer treatment



Once the recycled water is treated at the wastewater stabilisation ponds it will be pumped to the Arid Zone Research Institute (AZRI) where it will fill the Soil Aquifer Treatment (SAT) basins.

The water will then infiltrate through the basins and settle underground in a naturally formed aquifer. The selected aquifer will not affect any other water supplies.

The benefits of using the SAT system include:

- Additional treatment for the recycled water as it is naturally purified to a better standard as it is filtered through the earth;
- The basins will fill and dry so mosquitoes can't breed;
- Water is not wasted through evaporation; and
- Water can be stored underground for years.

SAT systems have been used successfully in other countries for decades.

The Department of Natural Resources, Environment and the Arts worked with the CSIRO to conduct extensive research and testing on appropriate SAT sites in Alice Springs.

For more information please call 1800 245 092.

**The 'Water Reuse in the Alice' project will use an innovative treatment and storage system called Soil Aquifer Treatment (SAT), to store recycled water underground before it is pumped to the surface and reused.**

[www.powerwater.com.au](http://www.powerwater.com.au)  
Call 1800 245 092 | ABN 15 947 352 360  
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