



AWE is a South Australian based consulting firm providing sustainable and innovative engineering, water resources, planning and natural resource management solutions for the community and our clients. Our team of professional and support staff has strong technical capabilities in hydrogeology, hydrology, civil and environmental engineering, integrated water resources management, groundwater modelling, ecology, spatial services, environmental management and planning, consultation and community engagement and data management.

Professional, independent land and water solutions benefiting people and the environment.

AWE Capabilities:

- Hydrogeology
- Hydrology
- Civil Engineering**
- Environmental Engineering
- Integrated Water Resources Management
- Groundwater Modelling
- Ecology
- Spatial Services
- Environmental Management
- Statutory Planning
- Environmental Planning
- Consultation and Community Engagement
- Data Management

Water and Wastewater

Our capabilities include:

- Potable water network modelling & design;
- Recycled water network modelling & design;
- Hydraulic services design (water, fire ,gas);
- Irrigation management plans;
- Total Integrated Water Management Plans;
- Water balance modelling;
- Demand modelling;
- Stormwater harvesting & Managed Aquifer Recharge (MAR) scheme evaluation and design and stormwater design;
- Sewer design to SA Water Level 1 accreditation standards;
- Water main design to SA Water accreditation standards;
- Technical specifications;
- Pre-tender cost estimates;
- Tendering contract administration & superintendence; and
- Authority liaison & approvals.



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Northern LeFevre Peninsula Infrastructure Headworks

AWE undertook the detailed planning of infrastructure headworks comprising stormwater, wetland & MAR investigations.

Staff from AWE undertook detailed planning of all transport infrastructure, site grading, potable and non-potable water and waste water infrastructure and services infrastructure including an innovative pressure sewer system. ▶



Happy Valley Sports Park Upgrade

AWE undertook stormwater design advice on Water Sensitive Urban Design (WSUD) aspects and prepared the development application for a \$3.5M upgrade of the sports park.

AWE undertook planning and detailed design of a range of recreation facilities including new clubrooms, shared paths, tennis courts and other facilities and associated hydraulic services including potable and non-potable water and sewer design. ▶



Whyalla Recycled Water Main

AWE undertook detailed design and documentation of a water main to supply treated wastewater to several ovals in Whyalla and concept design of 8 km of additional distribution main for irrigation of median strip and additional ovals. ▶



Ridge Park MAR

AWE undertook detailed design and documentation of a 60ML per annum stormwater harvesting and MAR project in the city of Unley involving treatment, ASR injection and distribution to eight council reserves for irrigation. ▽



Port Augusta Infrastructure Plans

AWE prepared stormwater, potable and non-potable water, wastewater and electrical infrastructure headworks plans to inform the future development of the City of Port Augusta including a more detailed assessment of land abutting the airport.

Karoonda Integrated Water Management Plan

AWE developed an Integrated Water Management Plan for Karoonda. The plan assessed all aspects of the water cycle to determine how water could be best utilised and managed for the benefit of the town.

Hume Reserve ASR Scheme, Geelong

AWE undertook investigation of three alternate stormwater harvesting schemes for irrigating soccer pitches and design of the 14 ML/pa adopted scheme.

Gawler River Water Feasibility Study Preliminary Engineering Design

AWE undertook preliminary design of all elements of a 2.2GL per annum stormwater harvesting project for the Gawler, Evanston and Roseworthy area.