



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

Environmental Planning

Environmental planning incorporates a diversity of skills and experience. At AWE we aim to deliver sustainable outcomes for our projects through our planning and management expertise. Our team includes natural resource managers, hydrogeologists, hydrologists, ecologists, planners, scientists and engineers. We use our environmental planning and management expertise as a key input to technical and strategic planning processes. We have specialist skills in environmental planning, strategic and master planning, water resource management, infrastructure planning, rural and regional planning and statutory planning.



1/198 Greenhill Road
Eastwood SA 5063
P: (08) 8378 8000
F: (08) 8357 8988
W: www.austwaterenv.com.au

For more information please contact:

Geoff Fisher
Director
Ph: (08) 8378 8000
Email: geofffisher@austwaterenv.com.au

Nicky O'Broin
Senior Environmental Consultant
Ph: (08) 8378 8000
Email: nickyobroin@austwaterenv.com.au

Project Experience

Australian
WATER
Environments



National Climate Change Coastal Vulnerability Assessment: Yorke Peninsula Case Study

In response to the growing recognition of the risks associated with climate change, case studies around Australia were initiated by the Department for Climate Change to explore different aspects of the coastal adaptation challenge in the context of a diverse range of impacts. AWE led the preparation of the Yorke Peninsula case study which identified a number of risks and arising challenges for planning authorities.



Coastal Adaptation Planning

AWE is assisting organisations to adapt to climate change impacts, such as the Victor Harbor foreshore and the cliff environment at Pt Hughes and Moonta Bay. This involves assessing impacts of sea level rise, coastal erosion, severe storm and fire events, stormwater and flooding, infrastructure requirements. We provide planning and policy advice to help implement adaptation strategies and we help communicate these issues to the affected communities.



Port Augusta: Water Proofing the City

The Water Proofing study includes identifying stormwater harvesting and aquifer storage and recovery options within a strategic framework. AWE provided input into the strategic and legislative context for the study.



Institutionalising Water Sensitive Urban Design

AWE led a multidisciplinary team in preparing an overarching framework and suite of technical documents to facilitate the implementation of Water Sensitive Urban Design (WSUD) throughout the Greater Adelaide Region.

Environmental Audits

AWE offers skills in undertaking independent compliance auditing, such as auditing of EPBC Act conditions for approved developments.

Environmental Assessment and Development Application-Housing Development

AWE has prepared various assessments to assess land in relation to ecology, landscape, stormwater and infrastructure requirements for a proposed housing subdivision. AWE secured the Water Affecting Activity permit for watercourse enhancements works, as well as prepared the Development Application.

Land and Water Management Plans

AWE has prepared numerous Land and Water Management Plans for local action planning areas along the River Murray in South Australia. These projects often involve the review and development of updated resource condition targets and action plans that address irrigation water use, wetland and floodplain health and salt loads to the River Murray. AWE develops processes and conceptual models to help understand the complex interactions of irrigation, the naturally saline groundwater, river flows and floodplain health.



Stormwater Management Planning

AWE develops stormwater management plans for government agencies, such as councils, private landowners and developers. We can provide planning advice early in the project to secure funding for the project, as well provide planning recommendations to help better facilitate stormwater management, such as changes to council Development Plans. We also work closely with organisations to develop costing estimates for works that fit within their annual budget frameworks.

Happy Valley Sports Park Upgrade – Master Planning

AWE undertook a Master Plan and prepared the development application for a \$3.5M upgrade of the Happy Valley Sports Park. Members of the team undertook planning and design of a range of recreation facilities including new clubrooms, shared paths, tennis courts and other facilities, as well as providing stormwater design advice, including Water Sensitive Urban Design.



Environmental Impact Statement for Major Projects

Staff at AWE have managed the approvals process for major developments in South Australia through Environmental Impact Statements. This involves identification of relevant legislative requirements, best practice guidelines, and applying them to the project. Other key responsibilities include project management of a range of investigations and research into environmental, social, and economic issues, liaison with government, developers and communities, project budgeting and report writing.



Funding Applications – Whyalla, Pt Augusta, Naracoorte Lucindale

AWE has prepared successful funding applications sourced from State and Commonwealth Government funding bodies. These funds target plan preparation costs and/or the implement of onground works.

River Murray Integrated Natural Resource Management Investment Strategy

AWE was involved in developing recommendations for investment strategies that aimed to address gaps in natural resource management in the SA Murray-Darling Region and to involve the community in setting priorities and implementing solutions. This also involved community consultation and report writing.