

Land Energy Pty Ltd has completed hundreds of projects in various environmental, scientific and engineering disciplines. Information about a few representative projects is provided below - listed under general capability headings. Further information may be obtained by [contacting us](#).

Project Feasibility Assessment

BHP Steel - Western Port. Irrigation re-use of saline process wastewater.

Federal Airports Corporation - Adelaide. Independent review of Tapleys Hill Road land development proposal.

Detailed Planning and Design

Dow Chemical - Altona. Treatment and re-use of chemical/industrial wastewater on irrigated forest plantation.

Taylor's Wines - Clare Valley. Design and commission 10,000 t capacity winery wastewater treatment plant.

Regulatory Authority Submissions and Approvals

Sunraysia Water Board - Mildura. EPA Works Approval 100ha Koorlong WWTW effluent irrigated forestry project.

Adelaide Hills Council - Birdwood. Development Application for STEDS Reclaimed Water Re-use for public amenities.

Lower Murray Water - Mildura. Thurla Farms Reclaimed Water Re-use from Koorlong WWTP.

Environmental Site Assessment and Remediation Management

Taylor's Wines - Clare Valley. De-commissioning and remediation of dis-used wastewater dam.

T & R Pastoral - Port Pirie. Preliminary site assessment - Remediation of wastewater lagoons and holding ponds.

BRL Hardy Renmano - Renmark. Assessment of receiving site soils for potential phytotoxicity.

Tender Preparation and Project Management

Adelaide Hills Council - Birdwood. STEDS to Class A reclaimed water for sports fields.

BRL Hardy Wines - Tintara Winery - McLaren Vale. Upgrade of treatment plant, tender and specifications for off-site re-use for vineyard and treelot irrigation.

Hunter Water - Paxton. Tender for construction and commissioning of an effluent irrigation scheme at Paxton WWTW.

Site Development and Re-use Options

United Utilities Australia - Victor Harbor. WWTP treated effluent, agriculture and forestry irrigation re-use scheme.

Tatachilla Lutheran College - McLaren Vale. Subsurface irrigation re-use of ablutions wastewater for playing fields and treelots.

Environmental Audit and Monitoring Programs

□ T & R Pastoral - Murray Bridge. Hydrological and Environmental Impact Assessment.

Cellarmaster Wines - Barossa Valley. Wastewater system performance assessment and compliance audit.

Wastewater Treatment System Design/Process Evaluation

Miranda Wines - Griffith. Independent evaluation of wastewater treatment process design and performance.

Rocland Estates - Barossa Valley. Design, specification and commissioning of winery wastewater treatment plant for vineyard irrigation and side-stream polishing to Class A for re-cycling.

The Marina - Hindmarsh Island. Wastewater treatment system design, process evaluation and performance improvement.

Baleen Filter Installation - Barossa Valley. Operational performance evaluation.

Reclaimed Water - Class A Recycled Water

Adelaide Hills Council - Birdwood STEDS effluent treated to Class A standard for re-use on local sportsfields.

Rocland Estates - Nuriootpa. Secondary & Tertiary Polishing for Class A water on-site recycling and mains water conservation.

Hydrological (Water Balance) Assessment

Delfin Lend Lease - Mawson Lakes. Artificial lake salinity management and roof-water catchment inflows.

Lower Murray Water - Robinvale. Treatment lagoon water balance, receiving site area and winter storage volume.

EPA Victoria - Melbourne. Stochastic Rainfall Analysis for project works approval (Lower Murray Water).

King Valley Wines - Whitfield. Hydrological Assessment and Monitoring Program.

Published Material

Winery Wastewater Handbook - Winetitles. (*Chapman J, Baker P and Wills S*).

Water Quality Risk Assessment of Winery and Ancillary Development in the Mount Lofty Ranges Watershed (*SA EPA*).