Vinidex
Systems & Solutions

# CASE STUDY

## Lower Lakes Project

Tailem Bend, South Australia

With the impact of climate variability being felt SA Water has undertaken to ensure drinking water supplies for regional centres such as Tailem Bend located near the end of the Murray River. To facilitate this, SA Water launched the Lower Lakes project. Vinidex Supermain® PVC-O pipe was selected as the material of choice due to the many benefits it brings to the project including environmental, operational and commercial. This is one of the most significant regional water supply schemes undertaken and is likely to set something of a precedent for the future as water authorities nation wide seek to maintain the efficiency of supply to their customer base using the very best materials available.

Vinidex successfully supplied over 170 kilometres of Supermain® PVC-O pipe and fittings ranging in size from PN16 DN100 to PN16 DN375. In a demonstration of the flexibility of Vinidex's manufacturing capability, the pipes were manufactured at state of the art facilities in Brisbane and Sydney. Furthermore, the project requirements were met in under two months. Vinidex Supermain® PVC-O pipe is manufactured in accordance with AS4441 "Oriented PVC pipes for pressure applications" under the strictest quality control guidelines. Vinidex Supermain® PVC-O represents the pinnacle of PVC pipeline material technology bringing significant performance and operating benefits. This is especially critical with in severe operating environments such as that encountered at Murrin Murrin.

Operational performance advantages include:
- Exceptional resistance to fatigue and cyclic loading
- Superior hydraulic performance and reduced pumping cost
- 100 year service
- Reduced OHS risk through light weight

Environmental benefits include:
- Low environmental impact through the efficient use of materials
- Reduces pumping energy requirements


Commercial benefits include:
- Long service life with low maintenance requirement
- Reduced pumping cost and energy savings
- Rapid and cost effective installation