

Eyre Peninsula Pipeline

Reducing pressure on groundwater basins



For many years groundwater extraction has been the main form of water supply to the Eyre Peninsula. Over recent years extraction rates have increased to a level far exceeding replenishment and this has reduced water quality and depleted supplies. As depleted water supplies began to impact the local economy, the South Australian Water Corporation decided to construct a 90km water pipeline connecting Iron Knob to Kimba, on the upper Eyre Peninsula



The Solution

The South Australian Water Corporation called upon two contractors, BJ Jarrad Pty Ltd and Leed Engineering Pty Ltd, to construct this 90km water pipeline. The South Australian Water Corporation called upon the reliable services of Tyco Water to supply all necessary pipe for this project.

The pipeline's route followed the Eyre Peninsula highway, simplifying site access but presenting traffic management issues. When constructing the 750mm wide by 1400mm deep trench both contractors had to overcome extremely abrasive soil. These difficult conditions often slowed construction, with the worst 300m stretch taking an entire week to cut using excavators and hammers.

The Result

By January 2007 the entire pipeline had been successfully hydrostatically pressure tested. Through Tyco Water's Ductile Iron Cement Lined pipes, the Eyre Peninsula pipeline will supply the Eyre Peninsula with up to 1.4GL of water each day, servicing SA Water customers between Kimba and Lock.

The Product

In order to ensure construction was complete by early 2007, the South Australian Water Corporation required dedication and reliability from its pipe supplier. Naturally, Tyco Water supplied all 90km's of DN 375mm Ductile Iron Cement Lined pipe. Tyco Water ensured all Ductile Iron pipe was adequately protected, using Blueboss (Tyco Water's blue coloured, Loose Polyethylene Sleaving, used to provide external corrosion protection). Tyco Water also provided contractors BJ Jarrad Pty Ltd and Leed Engineering Pty Ltd with a comprehensive training course, outlining correct installation procedures. This Century Plus II training course, will help the Eyre Peninsula pipeline meet design life expectations.