



Water Industry Operators Association of Australia

Submission of Abstract

Platform or Poster: Platform Paper

Title of Abstract:

Improving Water quality in the Northwest with Quipolly Water Project

Abstract:

The Quipolly Water Project is one of the largest water security projects in northwest NSW that improves water quality and taste for customers, establishes further drought resilience in the region and contributes to economic growth through supplying reliable water and diversifying water sources.

This Project is a critical component in providing improved regional water security for Liverpool Plains Shire and has CAPEX value of approximately \$35 million. It forms an integral part of the Liverpool Plains Shire Council (LPSC) regional water supply strategy aiming at improving water security throughout the region by establishing an integrated water supply network. LPSC and GHD worked collaboratively from 2010 to secure government funding and deliver the strategy and concept designs.

The project was technically demanding due to the water quality in Quipolly Dam, with algal blooms and high manganese levels commonly arising. Due to these challenges the new Quipolly treatment plant adopts the latest treatment technology achieving high quality potable water for users.

The project incorporated strong collaboration among LPSC (as the end user and operator), Gongues Constructions (constructor), GHD (designer) and various specialist equipment vendors ensuring strong commitment to safety in design and innovation.

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