

A CASE STUDY



Client: SA Water

Project Name: Port Pirie Wastewater Treatment Plant Health Check

Location: Port Pirie, South Australia

Scope

Symbiosis Australia were engaged by SA Water to undertake a full comprehensive asset health check of the Port Pirie WWTP, including:

- asset condition grading, performance, reliability and obsolescence
- optimisation of Maximo hierarchy
- p and id review, modification and development
- collection of asset attribute data

Site Works

Symbiosis Australia's personnel were able to work autonomously due to their knowledge of wastewater treatment plants.

A team of two employees spent 3 days on site validating assets to assist SA Water asset management personnel to understand the treatment plants condition, level of accuracy with in Maximo and providing quality information for the asset management RBP2020 submission to ESCOSA (essential services commission of South Australia).

On completion of the project we found:

- an additional 59 assets taking the total assets of the plant to 335
- the performance of 30 assets are sub-standard (fail regularly)
- thirty-two assets are in poor condition or in need of urgent action (within 12-18 months)

Moving Forward

Successful completion of this project on time and on budget enabled further inspection to be undertaken at the Whyalla and Hahndorf WWTP's by Symbiosis Australia.