



dioxide
PACIFIC

CASE STUDY
UV/FILTRATION



Client	Taronga Zoo
Dioxide's Role	Principal contractor
Project Description	Langur and tapir exhibit pool separation, sand filtration and UV disinfection.
Works Undertaken	<ul style="list-style-type: none">- Design, supply and installation of recirculation system for langur pool including recirculation pump, automatic backwash multimedia filter, UV disinfection unit and balance tank- Design of timed control backwash of multimedia filter and 6 inch ABS filtration pipework- Supply of new power supply for plant- Supply and installation of PLC and HMI control system.
Site Details	<ul style="list-style-type: none">- Taronga Zoo is the city zoo of Sydney, Australia.- Located amongst enclosures for langurs, tapirs and elephants with tight access and constraints.
Highlights and Innovations	<ul style="list-style-type: none">- Balance tank was located in a very difficult to access part of the zoo. Tank was manufactured to suit the surrounding rock and was lifted into place. It fit perfectly first time.- Underground pipework was not in the location originally specified. Dioxide installers had to locate the new position of the pipework through additional excavation.- System was completed in a short time frame prior to Christmas and school holidays, working with the zoo opening hours and patrons.- System is capable of remote internet access.

