

# Treated water to green the green

MELBOURNE-based design, manufacturing and servicing company Aqueous Solutions has been entrusted to provide a total water management solution to Xstrata Zinc's Macarthur River mine in the Northern Territory.

Its work has seen water supply upgraded in both the mine village and separate port facility through two fully automatic, containerised desalination plants fitted with web-enabled remote operation monitoring functionality.

Previously hard and saline bore water

is now delivered to mine workers as high quality, pure water, which has made a noticeable difference to the amenity of the village and living conditions.

As part of the project, Aqueous Solutions also installed a fully automatic wastewater treatment system that treats all waste water up to Class A, making it suitable for discharge to an irrigated area.

Plans to refurbish the golf driving range with this new source of irrigation water is winning accolades all around

from employees and management alike, who wish to promote employee activities in this fly in, fly out remote mine site.

Xstrata selected Aqueous Solutions' rotating biological contactor (RBC) technology after an exhaustive tender and technology assessment process. The RBC technology was selected based on its robust design, very low maintenance requirement, low energy demand, ability to withstand varying loads and good track record at similar facilities.