

Trojan Technologies of Ontario Canada was recently awarded the contract to design, supply and install a TrojanUVPhox™ at the advanced water treatment plant, Bundamba IA, as part of the western corridor purified recycled water project. The UVPhox™ technology combines high intensity ultra violet light and hydrogen peroxide to produce highly reactive hydroxyl radicals - a super oxidant. This oxidation process has the ability to convert small molecular weight organic matter, particularly the contaminants of concern NDMA (N-Nitroso Dimethylamine) and 1:4 Dioxane to basically CO2 and water. This becomes the final treatment barrier after the reverse osmosis system and provides security against any unwanted components which may pass through the membrane plants.

Aquatec Maxcon Pty. Ltd., the Australian distributors for Trojan's Technologies since 1996 will provide installation assistance and the after sales support required to keep this system operational at all times. Our Trojan trained service engineer will ensure that the electrical and mechanical components in the system are fully maintained and we will retain a comprehensive range of spares and consumables at our local Ipswich warehouse.

The TrojanUVPhox™ UV-oxidation system at Bundamba 1A consists of two trains, each train consisting of two chambers, each chamber containing two reactors. Each reactor consists of 72 UV lamps operated together. The system is designed to reduce NDMA concentrations by 1.0-log and 1,4-dioxane concentrations by 0.5-log. The Bundamba 1A Advanced Water Treatment Plant Phase 1A will be completed in mid-2007.