




TRANSTANK


EQUIPMENT SOLUTIONS WESTERN PIPELINE CASE STUDY




WATER & FUEL USUALLY DON'T MIX, BUT IN THE CASE OF AUSTRALIA'S LARGEST WATER PIPELINE, THEY MAKE THE PERFECT PARTNERING.




The Queensland Government's Western Corridor Recycled Water Project is the largest recycled water scheme to be constructed in Australia. The massive pipeline, connecting six water treatment plants to three advanced water treatment plants, will deliver recycled water to end users in South East Queensland as part of the State's water management strategy.




Construction of the 200 kilometres of pipeline is well underway, bringing with it the need for onsite refueling of both light and heavy vehicles. Transtank and Flexitanker Australia (a division of Freedom Fuels) have worked in partnership to provide a complete onsite refueling solution, providing bulk onsite diesel storage and dispensing capability.



The project will have a 4,500 litre (T4.5), a 12,000 litre (T12), two 30,000 litre (T30) tanks and a 68,000 litre (T68) tank providing onsite diesel storage, with tailored small fleet refueling pumping packages on the T4.5 and a Mining Pumping Package providing high volume capability on the T30 and T68 tanks. A Transtank multiple-door self-bunded Dangerous Goods Store (DGM) will complete the tailored solution, providing safe and compliant lubricants storage.



Ashley Mitchell, Business Development Manager for Flexitanker Australia, says that Transtank Fuel Equipment meets the project's strict Workplace Health and Safety and Environmental Compliance requirements. 'Transtank hydrocarbon storage and dispensing modules have a unique "double skin", carrying their own bunding as part of the structure (even the pump well is bunded). Transtanks are also fitted with an overfill protection valve, operating automatically as the tank fills, shutting the valve and preventing overfilling of the tank. Even whilst dispensing fuel, the anti-syphon valve ensures product cannot syphon out of the tank if damage occurs to the pumping mechanism or piping', says Ashley.



The Transtank containerised modules are designed and manufactured to ISO shipping standards, making them easy to mobilise to site. They also require minimal site work preparation; basically just a level, compacted surface and thereby minimising any impact on the environment.

Flexitanker Australia worked closely with Transtank to tailor the pumping and dispensing packages to meet the varied needs of light vehicle refueling such as utes and four wheel drives, to the high flow needs of earthmoving equipment and onsite service trucks. Using a bypass valve, the Mining Power Required (MPR) pumping package allows high volume capability – up to 400 lpm via a high flow pump whilst also providing a low flow capability of 80 lpm for light vehicles.

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