



Pozzi Road Chlorination Upgrade Manjimup, Western Australia

WestWater recently completed the design and construction of a new containerised Sodium Hypochlorite storage and dosing plant to replace the old chlorination facility onsite.

The Pozzi Rd WWTP facility stores effluent re-use water from Booth Rd WWTP (Manjimup) in a storage dam located on site at the WWTP. The effluent water is pumped from the dam by the Irrigation Pumps. It is filtered via a screen filter package then dosed with Sodium Hypochlorite before being distributed to the woodlot irrigation network.



The old chlorination system was quite old and non-compliant to current WC design standards for hypo storage and dosing. As a result, it was an unsafe site to work on.

The new Sodium Hypochlorite storage and dosing system installed onsite operates as follows:

- Hypo will be loaded by tanker at the load in apron and tank will be filled via load in panel.
- Any potential chemical spills onto the apron from load in will be captured by the underground apron sump tank and automatically transferred to the reservoir via the apron sump pump.
- The dose pump will draw hypo from the hypo tank and dose into the irrigation network post filter. The dose rate will be controlled flow paced via flow signal from the irrigation flowmeter and dose rate SP can be adjusted on the OIP.
- The filter inlet and outlet pressures will be displayed at the new facility so filter differential can be monitored.
- The safety shower and hose reel will be supplied from the relocated potable water tank.



BEFORE



AFTER

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