

Case Study – RO Plant Roy Hill Village – Additional accommodation camp

As the construction of the Roy Hill Mine proceeded it became apparent additional accommodation for 300 persons needed to be found
This was to be for a period of 12 months and until construction was completed.

Abco Water Systems was contracted to supply water and wastewater services for this additional 300 person camp.

The water supply consisted of

- Raw water tanks to receive water direct from the bore supply on site
- Potable water tanks to hold 2 days supply of water for this camp.
The tanks were either poly tanks or the Abco galv steel tanks fitted with liners
- A 6 metre sea container was insulated and fitted out with a split system air conditioner and lighting. Alteration to the door allowed for egress from the container should it be locked from the outside
- Installed was:
 - Automated feed pumps to transfer water from the raw water tank
 - Filtration to reduce water particles to less than 1 micron
 - Brackish water RO plant offering 70% recovery
 - Reject water sent to the irrigation tank of the WWTP
 - Automatic chlorination of all water stored in the potable water tanks
 - Dual water pressure pumps (VSD drive) to supply water to the reticulated water mains
 - UV sterilization to UV all water after the pumping system
 - All necessary alarms and stop and start floats to automatically control the complete system





Regards



Murray Brown
Managing Director



EC011076

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