

McMinns Pump Station Upgrade

AVK have been successful in supplying 14 x 600mm series 55/74 resilient seated gate valves complete with Rotork electric actuators for the total upgrade two pump stations at the McMinns Pump Station south of Darwin, replacing the old metal seated valves that were installed in the mid 1960's.

The A station has eight valves installed and the B station four with two additional external isolating valves.

This \$13m major upgrade of these two stations was a challenging project for Power & Water as the stations were required to remain operational through the entire project. These two pump stations are totally responsible for the water supply to the ever growing areas of Palmerston and Darwin central.



One of the unique features of this project is that due to the pump station's position it can actually supply reasonable quantities of water (300L/S) without the pumps actually running. The pump sets were progressively replaced and work can be seen still going on in the photos.

The benefit of the resilient seated valves is obvious when we look at the conditions for the metal seated valves that are shown in the photo.

This coupled with the replacement of the old manual gearbox arrangements with the ease of operation of the electric actuators will provide a long and trouble free valve operation for many years to come to ensure the ongoing supply to Palmerston and Darwin residents.

