



Mardi Dam Upgrade – Transfer and High Lift Systems, NSW

Project Overview

The Mardi Dam is an off-river storage dam located near the Wyong River. The upgrade consists of the construction of a new 22 metre high intake tower, two pumping stations - one from the dam to the treatment works (TPS) and one from the treatment works into the distribution network (HLPS) and associated pipeworks.

In Focus

The project also includes two tunnels, one 144m long with a diameter of 1.8m; the other is 60m long with a 1.5m diameter. There is also over 250m of large diameter pipework and associated valves.

These works allow more effective water transfer from Mardi Dam to Mardi water treatment plant. The transfer capacity will increase from the current 100 million litres a day to 160 million litres a day.

Works started June 2009 and the project is expected to be completed October 2010.

The \$42 million project is being funded jointly by Wyong and Gosford councils as part of augmentations to their joint water supply scheme.

The project will make the Central Coast water supply system much more flexible by improving the current rate at which water can be transferred between the Wyong and Gosford water supply systems.

Works have included:

- New Dam Intake Tower.
- Raw Water Main.
- Transfer Pump Station.
- High Lift Pump Station.
- Tuggerah to Mardi Dam Offtake.
- New Re-used WaterLine.

Boulderstone were awarded the contract after 12 months of participation in an Early Contractor Involvement (ECI) process.



Glenfield Valves has since 2001 been a member of the AVK Group and a sister company to AVK Australia who has responsibility for Glenfield in Australia and New Zealand.

Glenfield has always been a valve manufacturer and designed its first Fixed Cone Free Discharge Valve in 1950 and has been a highly rated supplier for Dams, Reservoirs and Hydro Power projects with many global references available.

The AVK Group has made considerable investments at the Glenfield Scotland plant in infrastructure enhancements, product re-design to reflect improvements in operation and the latest technology in machine tools and management information systems.

AVK/Glenfield are proud to be a key valve supplier to Boulderstone on the Mardi Dam Upgrade project for the Wyong Shire Council.

Developer: Wyong Shire Council

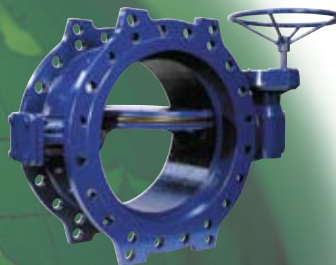
Builder: Boulderstone Pty Ltd

Designer: Department of Public Works



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