

Hydra-Valve

Stored Water—Reservoir

Project Location: Witcombe Reservoir

Customer: Severn Trent Water

Project Description

A number of valves on the draw off systems at Witcombe Reservoir either failed to operate or were difficult to operate due to the time since their last operation.

The valves required operation as part of their requirements to operate the valves during the scheduled inspection of the reservoir.

The unserviceable valves included one 15" Gate Valve and three 12" Gate Valves. To deal with these valves using conventional methods may have required a draw down of the reservoir by over pumping at a significant cost.

Hydra-Valve personnel were called in to see if we could solve the problem. Our HVL-VR Valve Operation System was recommended and a team were mobilised with the necessary equipment to provide a solution.

The HVL-VR Valve Operation System was applied to each valve with total success, without the need for isolations or draw down of the reservoir.

The valves received standard maintenance and a hand over to confirm the required operation of the valves was carried out with Severn Trent personnel.

The successful solution was implemented and completed in one day, delivering significant cost savings, and risk elimination.

The risks eliminated included:

Capital Risks—which would have been incurred by commissioning this project using conventional means.

Asset Risk—The HVL-VR Valve Operation System is a Valve and Pipe Work Safe System.

Health and Safety Risk—The HVL-VR Valve Operation System is a safe and short operation even when compared to standard valve operation.

Environmental Risk—The HVL-VR Valve Operation System is carried out under pressure, with out isolation removing the need to effect the local environment with large civil operations.



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