

Hydra-Valve

Gate Valves

Project Location: Clywedog

End Customer: Severn Trent Water

Project Description

In order to carry out various refurbishment and maintenance activities to the reservoir, the draw off system had to under go repairs to bring it to a fully serviceable condition.

Four of the 6" gate valves used to bypass the main draw off valves were all seized in various positions. Also three 8" Isolation Valves for Air Valves were also seized or difficult to operated. One of the bypass valves were also located with a direct feed from the reservoir.

Due to the sensitivity of the location of these valves, the risks identified by using extreme linear force (a big bar) or vibration techniques and the cost, time and disruption to drain the reservoir, it was deemed necessary to use a different technique.

By recommendation, Hydra-Valve personnel were contacted to propose a solution. The solution was to release, cycle and carry out maintenance of all of these valves, without isolation, with the aid of our HVL-VR Valve Operation System.

Following a strict risk assessment process Hydra-Valve personnel were allowed to commence. The valves were released and maintained in order of risk (least to highest) so that confidence could be built up by Severn Trent personnel of our techniques.

Whilst releasing the valves our HVL-VP Under Pressure Valve Re-packing System was on standby to deal with any leaks due to the time since these valves were last operated.

All valves were released and maintained successfully without isolation in one and a half days. This enabling work allowed for the smooth completion of the project without the need for significant cost or disruption.



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