

PROJECT NAME: KGV Pumping Station Dundee

CLIENT: United Utilities

AQUATIC CONTROL ENGINEERING LTD – PROJECT PROFILE



ACE Non Return Valves at King George V Pumping Station

In early 2010 two 1.2m Wastop non return valves were fitted at KGV pumping station outfall pipes in Dundee.

The valves supplied by Aquatic Control Engineering Ltd were needed to stop tidal waters from the River Tay from entering the pumping station and to avoid putting added pressure on the already installed penstock.

United Utilities who service the Scottish Water pumping station approached ACE Ltd for a solution. The Wastop non return valves were ideal for this application, they could easily be installed in the pipes themselves and were constructed from 316 stainless steel therefore ideal for marine use.

The Wastops were installed by USL diving contractors of Great Yarmouth and were floated in using buoyancy bags so there was no need for scaffolding or de-watering the surrounding area. The valves were installed in two days and were instantly operational.

After Installation was completed Stuart Rice of United Utilities Operational Services said :-
"We have already noticed a drop in pumping station sump levels due to the valves operating capabilities in not allowing the tidal River Tay to ingress into the pumping station.

As the sump levels are lower than normal this allows the station pumps to operate on level controls thus saving on electrical power. This saving is an added bonus as the valves were initially installed to allow UUOS safe operation of the emergency bypass valve located at the pumping station.

On behalf of all UUOS personnel who were involved in the project, I would like to pass on my thanks to all at ACE for their efforts to ensure that this project was completed successfully.

On a further Note I and UUOS Scotland Ltd would have no hesitation in recommending ACE for future business with UUOS or an external party."

We at ACE Ltd would also like to thank UUOS and Stuart for helping the project run smoothly and we look forward to dealing with UUOS on future projects.

For details of the Project and Wastop NRVs please contact Aquatic Control Engineering on 01777 249080 or info@aquaticcontrol.co.uk

AQUATIC CONTROL ENGINEERING LTD

Hall Farm, Main Street, Rampton, Notts, DN22 0HR

PHONE: 01777 249080

EMAIL: Info@aquaticcontrol.co.uk