

## Project: Somerset Levels Sluice Refurbishments

**Location: Somerset** 





As part of the pre-release inspection, various representatives from WS Atkins and May Gurney attended a visit to the KWT Factory in the Netherlands, to observe the testing of the tilting weir. During our discussions at the inspection, we were invited to take part in a joint-venture design and build project with WS Atkins for the Greylake sluices, between Glastonbury and Bridgwater, as well as some further structures at Oath Lock.

The original Greylake sluices were two very large vertical sluices with concrete counterweights, which required replacement as they had reached the end of their design life. WS Atkins worked very closely with the designers at KWT to produce a pair of bespoke tilting weirs of 4m wide by 3m high, being the largest tilting weirs supplied to date. These were installed in the summer of 2005, and now fully control the water levels on the King Sedgemoor Drain. Part of this scheme also incorporated a third KWT tilting weir, used as a temporary bypass during the construction works.







## **Aquatic Control Engineering Ltd**

www.aquaticcontrol.co.uk info@aquaticcontrol.co.uk 01777 249 080 V 2.0. Aquatic Control Engineering are market leaders of innovative water flow control, maintenance and fish passage equipment. We are proud to supply our customers with high quality, innovative solutions and high standard installation services for over 20 years

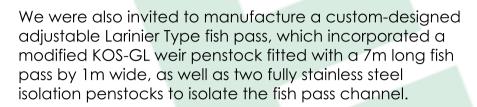


## Project: Somerset Levels Sluice Refurbishments

**Location: Somerset** 



**Client: Environment Agency** 



Following on from works on the above projects, ACE were invited to carry out a number of other refurbishment and sluice replacement projects in the Somerset Area, both directly for the Environment Agency and also for May Gurney, namely the King Sedgemoor Sluice project, Flexbury FDS and an outfall at Creech St. Michael. These projects involved the installation of a wide variety of equipment including Double Leaf Weir Penstocks, Tilting Weirs, Penstocks, Flapvalves and Stoplogs. Some of the equipment also included bespoke elver passes with brush substrate to assist elver migration.

We would like to thank all parties, which include The Environment Agency, WS Atkins, May Gurney and Black and Veatch Consulting, for their assistance during the projects.







**Aquatic Control Engineering Ltd** 

www.aquaticcontrol.co.uk info@aquaticcontrol.co.uk 01777 249 080 V 2.0. Aquatic Control Engineering are market leaders of innovative water flow control, maintenance and fish passage equipment. We are proud to supply our customers with high quality, innovative solutions and high standard installation services for over 20 years