

# BLACK ESK WTW

Ross-shire Engineering are due to hand over a project worth over £2 million at the Black Esk Water Treatment works and Reservoir. Alongside Scottish Water Managed Delivery, Ross-shire Engineering worked with PSI to deliver several scopes across multiple engineering disciplines. Whilst the variety of work meant overcoming challenges at the design stage of the project work is due to be delivered ahead of time and under budget, achieving a highly accelerated program.



The scope of works included the installation of a new caustic dosing system, which involved large civils work to reconfigure the layout of the existing building to house new caustic tanks, dosing system and associated control systems.

As part of the works an auto-coagulation Alum dosing system and zeta potential monitor were installed. In addition the Mechanical scope included refurbishment of the clack valves on the Rapid Gravity Filters (RGF's) along with replacement partialisation boxes.

The scope of works was not limited to just the treatment works. The installation of 2 Resmix 3000 units meant overcoming a fresh set of challenges. Using a helicopter, alongside a safety boat the Resmix units were successfully placed, on the surface of the reservoir.



**Project Title:** Black Esk WTW

**Client:** Scottish Water

**Project Value:** £2.1M

**Award Date:** March 2016

**Project Commenced:** March 2017

**Project Completed:** Acceptance 31st  
October 2017

