



INVERCANNIE WATER TREATMENT WORKS

The works involved a major upgrading of the existing membrane plant at Invercannie Water Treatment Works near Banchory, which is the principal water supply works for the greater Aberdeen area. The modifications incorporated colour removal by chemical coagulation and filtration across micro filtration membranes, which allowed the existing ozone building plant and slow sand filters to be abandoned.

The project included:

- New buildings for sludge presses and chemical storage
- A new inlet screening system
- Chemical dosing for coagulation/ph correction and improvements to the existing chemical plant
- Flocculation mixers
- Removal of the existing membranes and replacement with hydrophilic membranes.
- Neutralising membrane backwash wastewaters to alleviate off-site treatment costs
- Removal of two secondary membrane cells and installation of an 8th primary and
- additional chemical storage for membrane plant
- Chemical dosing for waste treatment
- Installation of a lamella plant /sludge storage
- 2 No sludge plate presses
- Decommissioning of existing ozone plant and slow sand filters

Close co-operation with Scottish Water Operations personnel was essential throughout the whole project to enable the sequential commissioning of new plant and the abandonment of old equipment, whilst still maintaining continuous supplies of treated water into service.



CLIENT

Scottish Water Solutions

CONTRACT VALUE

£10.3m

DURATION OF WORKS

August 2008 – September 2009