



Waste water pollutants reduced

Redesigning a plant that
can cope better with the
demands of a power
station

The water experts

business stream
A SCOTTISH WATER COMPANY





Generating Success

The redesigned plant can cope better with the demands of the power station.

We helped to develop a waste water management strategy to reduce pollutants and develop a more flexible system to cope with varying demand levels.

THE CHALLENGE

Torness Power Station on the East Lothian coast has the capacity to supply electricity to over a million households. Operator EDF Energy was faced with the challenge of improving the performance of the nuclear station's waste water treatment plant. With environmental issues at the top of its agenda, it needed to be confident that discharges from the plant would meet the required standards.

SOLUTIONS

We carried out a water audit, looking at water use trends and identifying opportunities for improvement. We drew up a range of innovative solutions which included design enhancements, project

management of contractors and ongoing management of the treatment plant. EDF was keen to harness our expertise by outsourcing the site's waste water management. Our team worked closely with the environmental regulator, SEPA, to ensure the project met all requirements. Under the maintenance contract with EDF Energy, we now analyse discharge readings every week, advise on trends and suggest ideal settings for the waste water plant.

THE SUCCESSFUL OUTCOME

EDF Energy has gained from handing over management of this non-core function to water experts. The project has delivered:

- reduced levels of pollutants

in the waste water discharged

- a more flexible system that can better cope with the fluctuating demands put on it by the power station.

Speak to our team of experts by visiting business-stream.co.uk

