

business stream

A SCOTTISH WATER COMPANY

British Energy

Business Stream delivers environmental gains for British Energy

Torness Power Station on the East Lothian coast is operated by British Energy Group plc, the UK's largest generator, who produce around one-fifth of the nation's electricity. It is one of eight nuclear power stations and has a capacity of 1250 Megawatts, enough to supply over 1 million households.

Business Requirements

When British Energy was faced with the challenge to improve the performance of its Torness Nuclear Power station treatment plant they turned to Business Stream, the water specialists, for advice.

Solution

Our first step was to carry out a full water audit of the plant to determine the current water

case studies

usage trends and identify opportunities for improvements. From the results gathered, a tailored water solutions package was proposed which included design enhancements, project managing of contractors and ongoing management of the waste water treatment plant. British Energy were keen to harness expertise in the management of waste water treatment plants and working with our team gave them confidence that future discharges would meet the necessary environmental standards.

The Scottish Environmental Protection Agency (SEPA) is responsible for environmental regulation in Scotland and was happy to endorse a solution which involved handing over the site's waste water management to Business Stream.

Business Benefits

Our team worked closely with SEPA to ensure the

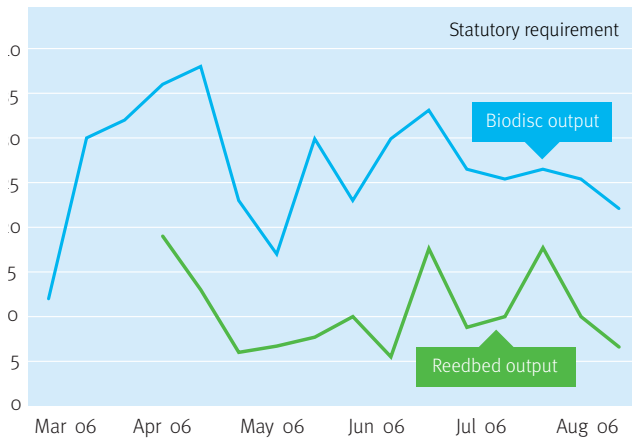
project met all appropriate environmental requirements and was completed in good time. Business Stream's experience of working under the stringent Health and Safety procedures of nuclear establishments ensured that all contractors were fully briefed and could comply with the exacting security requirements without delays.

The maintenance contract in place with British Energy includes weekly analysis of effluent discharge readings taken from the plant. Business Stream are able to advise on trends displayed and suggest ideal settings for the waste water plant. This is reviewed regularly with the power station operational plans to optimise capacity planning for contingencies.

The project has delivered reduced levels of pollutants in the waste water discharged and provided a more flexible system that can better cope with the fluctuating demands put on it by the Power station.



Biological Oxygen Demand on outfall (BOD mg/l)



George Hall

Senior Chemist, British Energy Group plc

“Environmental issues are top of our agenda at Torness. We recognised that outsourcing a non-core function to industry experts was the best solution. With Business Stream involved from conception to ongoing delivery both British Energy and SEPA are confident that we will continue to comply with our regulations.”

Contact information

To find out how we can make water work for you, please get in touch

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