



EVENING MEETING

MONDAY 4th October 2010 at 6:00 PM

One Great George Street, London

(Nearest tube: Westminster)

**Spillway Improvements at Ramsden
& Riding Wood Reservoirs**

Presentation by:

Martin Airey (Mott MacDonald)

For further details see overleaf

Admission Free

Teas Available from 5.30pm

For more information please contact

**Tim Fuller (BDS Secretary) on 020 7665 2234
or Email : bds@ice.org.uk**



Spillway Improvements at Ramsden & Riding Wood Reservoirs

The Riding Wood and Ramsden Reservoirs are owned and operated by Yorkshire Water. They are located in the valley of the River Holme near to the town of Holmfirth and to the south of Huddersfield. They are conventional impounding reservoirs that are used for water supply purposes and are situated in the middle of a cascade system of 4 reservoirs. As a result of periodic statutory inspections it was necessary to carry out an updated flood study assessment for the cascade. The findings of this study confirmed that there were significant deficiencies in embankment freeboard and/or discharge capacity of the existing overflow works. To overcome these problems it was determined that major remedial works were needed which included a new spillway at each site that was capable of safely handling the PMF. The works were delivered by the Mott MacDonald Bentley alliance under the AMP4 agreement with YWS. The presentation will cover the planning, design and construction of the new spillway works. It will describe both the technical and environmental challenges to accommodate these works within the limited space of the narrow valley, whilst taking due account of the final appearance in what is an area of natural beauty.