



EVENING MEETING

MONDAY 25 March 2013 at 6:00pm

One Great George Street, London

(Nearest tube: Westminster)

**Failure of Valves & Penstocks at Dams –
Reservoirs at Risk**

By

Andy Hughes (Atkins)

For a brief synopsis 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**

This meeting will also be streamed live on the internet. For more details on how to view this meeting online please visit the BDS website.



Failure of Valves & Penstocks at dams Reservoirs at risk

By

Andy Hughes (Atkins)

Synopsis

Many dams involve valves and penstocks as part of control elements or appurtenant structures. As civil engineers involved in dam engineering we don't always get involved with the mechanical elements of dams and yet there have been some very huge problems, some involving significant damage to dams and also ones where loss of life has been narrowly avoided.

The presentation will examine a number of case histories including a recent major overtopping incident which very nearly resulted in failure and suggest as a profession we could do better!

This will include comments on specifications, quality of materials, quality of designs and procurement methods.