



EVENING MEETING

MONDAY 24th FEBRUARY 2014 at 5:30PM

One Great George Street, London

(Nearest tube: Westminster)

150th Anniversary of Dale Dyke Dam Failure

By

Dr. Andy Hughes (Atkins)

For a brief synopsis see overleaf

Admission free

Teas available from 5.00pm

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.



150th Anniversary of Dale Dyke Dam Failure

Synopsis

Dale Dyke dam failed on first filling on March 12th 1864, the resulting release of water led to in the loss of approximately 300 lives and extensive damage to property and infrastructure downstream, the largest maritime disaster of the Victorian era. The author will explore various failure modes which could have led to the incident, and the resulting changes in dam engineering and practices.

The incident served to demonstrate the power of water and its destructive properties, something that is still relevant today.

The presentation will look at legislation which has been implemented subsequent to the incident and how this has helped to ensure that the United Kingdoms reservoirs are maintained to the highest standards, and that this in turn has prevented further loss of life relating to dam failure. It will also discuss current industry guidance relating to dam break analysis, inundation mapping and emergency planning.

By Dr Andy Hughes

Andy is Director of Dams and Reservoirs at Atkins and Visiting Professor at the University of Bristol. He is an All Reservoirs Panel Engineer, Vice Chairman of the British Dam Society and a past Vice President of ICOLD. He has over 35 years experience in reservoir design and construction both in the UK and internationally. Project involvement includes new reservoirs at Audenshaw for United Utilities and Symvoulos in Cyprus. He has undertaken inspections and overseen remedial work on numerous reservoirs throughout the UK.