



The British Dam Society

EVENING MEETING

Monday 25th April 2020 at 6:00pm. One Great George Street, London (Nearest tube: Westminster)

AGM followed by

Dam safety management in Queensland, Australia

Tracey Williamson BEng FIEAust CPEng RPEQ



**For synopsis and brief presenter biography see overleaf | Admission free
Teas available from 5.30pm | Cash bar in the Westminster Arms after the event**

This meeting will be streamed live on the internet. For more details, including enjoying the live stream as part of a group at one of our Regional Hubs around the UK, please visit the meetings page on the BDS website: www.britishdams.org

For more information please contact the ICE on 020 7665 2147 or email: bd@ice.org.uk

Any views or opinions expressed on any matters by the presenters or participants during or in connection with this presentation are solely the views of the authors of the respective comments and/or opinions and must not be taken to be the views of the ICE or the British Dam Society or any other organisation. ICE and the British Dam Society make no representations, warranties or assurances concerning any information provided in these presentations and accept no responsibility for the content and/or accuracy.



The British Dam Society

Synopsis

After moving to Brisbane in Queensland, Australia at the beginning of 2019, Tracey is returning to the UK for a short visit and will share some of her experiences over the last three years during the April BDS evening meeting.

She will compare and contrast the dam safety regimes practiced in the UK and Queensland, whilst highlighting some of the dams she has inspected. She will discuss how dam owners prepare for emergencies and give examples of where UK dam owners may consider including some of these practices within their own emergency and incident planning.

Tracey will also provide a brief overview of a project, where she was the lead designer of a 25 m high concrete gravity weir, which is currently under construction. This structure is the first project of its type in Queensland, which has followed the Infrastructure Sustainability Council (ISCA) Rating Scheme, which aims to optimise environmental, societal and economic project outcomes over the long term. The project is also the first water infrastructure project to use the Building Information Modelling (BIM) process in Queensland.

Presenter Biography

Tracey Williamson is a Chartered Engineer with a Degree in Civil Engineering and a Fellow of the Engineers Australia. With over 25-years' international experience in engineering and operational management of dams, rivers and coastal developments. She is currently a Senior Technical Director in the Dams Group at GHD based in Brisbane.

After starting her career in flood and coastal erosion risk management, she changed focus to dams and reservoir engineering in 2005. Prior to joining GHD in Australia, Tracey worked with Arup for three years in the UK, and prior to that with Welsh Water for five years as their Dam Safety Manager, where she was responsible for the management and performance of over 100 dams.

Tracey qualified as a Supervising Engineer under the Reservoirs Act 1975 in 2009. She was Chair of the British Dam Society and Reservoir Safety Research Advisory Group from 2017 to 2019. She has also been a Member of the ICOLD Environment Committee since 2010, including a two-year term as the Vice-President. and served a three-year term on the ICE Reservoirs Act Consultative Committee.

Tracey has managed and authored several internationally recognised guides, including the CIRIA guide on pipes and valves in dams, and has authored several peer-reviewed publications for the Dams and Reservoirs and other engineering journals, and for the BDS and ICOLD Proceedings.