



The
Geological
Society

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Speakers:

Tim Blower

Technical Director,
Mott MacDonald

and

Saeed Mojabi

Director, Arup

Date:

**Wednesday 4th
March 2015**

Venue:

Burlington House

Details:

**Tea / coffee:
17:30**

Meeting

**Commences:
18:00**

Free to attend

**Registration not
required.**

For further information
and registration, please
contact:

Event Convenor: Paul
Maliphant

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Further Developments with Embankment Dams on the Mercia Mudstone

**Engineering Group of the Geological Society (EGGS) and
The British Dam Society.**

Synopsis

During preparatory works for a new reservoir in Lincolnshire, to be constructed on the Mercia Mudstone, some surprising and contradictory ground investigation information was obtained, and this prompted a review of previous examples of reservoir construction with and on this material.

Although a number of reservoirs have been constructed on this stratum, its use as an embankment construction material poses a number of challenges, including variable strength and permeability, together with the presence of Skerry beds and evaporite bands. However, the Lincolnshire reservoir was constructed in 2012-2013 and has been filled now for nearly two years.

The lessons learnt from the design and construction of the Lincolnshire reservoir are now being shared and applied to preparatory works for a much larger reservoir in the Cheddar area.

This presentation deals with the geotechnical aspects of reservoir design and construction using Mercia Mudstone, drawn from original desk study work and construction experience from the Lincolnshire reservoir, and from the more recent investigations and other studies relating to the Cheddar Reservoir.



www.geolsoc.org.uk/engineeringgroup



The British Dam Society