



The British Dam Society

TECHNICAL SITE VISIT

Thursday 1st October at 10:00am - 12:00pm

Havant Thicket Reservoir

ENGINEERING THE UK'S FIRST RESERVOIR IN 30 YEARS



For more information please email: CavanaghSP@binnies.com



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SYNOPSIS

The forthcoming technical site visit to Havant Thicket Reservoir will provide a valuable insight into the scale and complexity of constructing a major new water-storage facility and an opportunity to observe the design and construction of the first major new reservoir to be built in the UK for more than 30 years. The reservoir will be owned and operated by Portsmouth Water in partnership with Southern Water, the reservoir's principal works are being designed and constructed by Future Water MJJV. Once complete, the facility will cover approximately 160 hectares and store up to 8.7 billion litres of water. Under current proposals this capacity will be sufficient to support the annual water needs of around 160,000 people, providing an average of approximately 21 million litres per day when required.

Construction of the new embankment involves approximately 3.3 million cubic metres of earthworks and incorporates a low-permeability clay core, stabilising shoulders, drainage blankets, filters and a slurry wall to control seepage and maintain stability, which will be approximately 2.8 km long and up to 22 metres high.

The project team will provide a technical overview of the project covering the main earth embankment, reinforced concrete draw-off culvert, valve tower, control house and spillway arrangements. The presentation will explore the key technical challenges encountered during both the design and construction phases, together with the solutions developed to address them.

Attendees will then have the opportunity to view the construction site as the current earthworks season draws to a close, with embankment construction significantly advanced and the below-ground structures nearing completion. The visit will also offer views of the smaller embankments forming the northern wetland area, along with the associated water management systems and environmental infrastructure that support the reservoir's wider ecological objectives.

GUIDANCE FOR ATTENDEES

Address: Havant Thicket Reservoir Project Offices, Havant Road, Rowlands Castle, PO9 6BA

What 3 Words: EASELS / SWOOP / SMOKE

When registering, please provide your full names and organisation.

On the day, we will begin with a technical presentation, followed by a visit to the rooftop viewing platform, which offers panoramic views of the reservoir construction works. Owing to health and safety constraints, access to the active construction areas cannot be provided during this visit.

As parking on site is extremely limited, we kindly encourage attendees to car share wherever possible.

Please aim to arrive approximately 10 minutes before the scheduled start time. The access road to the site is relatively long and subject to a 10 mph speed limit, which can add around 10 minutes to your journey. Please take this into account when planning your arrival.

For your safety, sturdy closed-toe footwear must be worn. We also recommend bringing a jacket or coat, as conditions on the rooftop viewing platform can be exposed, windy and cooler than at ground level. If you have any mobility requirements and are unable to use stairs, please advise us in advance so that appropriate arrangements can be made while other attendees access the viewing platform.