

Ericht and Dalwhinnie Dam refurbishment and protection works

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SYNOPSIS. Following the statutory inspection of Loch Ericht reservoir both Ericht and Dalwhinnie Dams have been recategorised A from category B and assessed in relation to their capacity to safely pass a PMF event combined with wave surcharge allowances.

The paper describes the investigation, identification of the requirement for protection and subsequent design of works to primarily prevent wave surcharge levels overtopping the existing crest levels of both dams. Further refurbishment and protection works were also identified in relation to concerns over the ability of the spillway\corewall interface to resist erosion, poor spillway basin configuration and the potential vulnerability of the scour penstock during spill conditions at Ericht dam.