

Monitoring of dams in operation - a tool for emergencies and evaluation of long-term safety

Thomas KONOW, Norwegian Water Resources and Energy Directorate (NVE), Oslo, Norway

SYNOPSIS. As the number of new dam projects dropped during the late 1980's, the focus shifted from construction to operation of dams in Norway. In this process, the importance of monitoring of long-term behavior and for the purpose of emergency warning was realized and resulted in a guideline for monitoring and instrumentation in 1996. After 7 years, the guideline has been revised and this paper summarizes the content of the revised guideline [NVE, 2003¹]. Some Norwegian dams have a dam break warning system and a brief history of this system has also been included.