



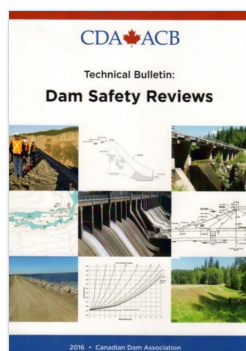
DAM SAFETY REVIEWS

Technical Bulletin

The Canadian Dam Association (CDA) published *Technical Bulletin: Dam Safety Reviews* in 2016, to bring together knowledge from over 20 years of practice since the term “Dam Safety Review” (DSR) was introduced by CDA. The concept of periodic and systematic reviews is now widely accepted as an important part of dam safety programs in Canada and elsewhere in the world.

The Bulletin covers DSR preparation, execution and follow-up:

- Preparation by Dam Owner - How to initiate a review, what information must be gathered, how to define objectives and scope, and how to retain a review engineer.
- Work by Dam Safety Review Engineer - Information for the engineers who are conducting the work and for dam owners who want to understand the process. Topics such as consequence classification, criteria for assessment, hazards and failure modes, risk controls, conducting site visits and inspections, and evaluating performance based on surveillance, are briefly discussed.
- Follow-Up Action by Dam Owner - Review and communication of findings so dam owners can proceed to investigation, analysis, assessment of improvement options, and decision-making.



The Bulletin is available for purchase in print or PDF format, through Shop CDA at www.cda.ca

CDA offers a professional development workshop which builds on the concepts from the Technical Bulletin. For more information, see the following page.



Dam Safety Review Workshop

CDA offers a workshop (short course) on Dam Safety Reviews. It may be delivered in-person or remotely with live instruction, typically configured for a full day. The workshop is led by qualified CDA instructors who have direct experience and knowledge in Canadian and international practices.

The objective of the Dam Safety Review Workshop is to provide an overview of the process presented in *Technical Bulletin: Dam Safety Reviews* (CDA 2016). The workshop outlines the steps that should be carried out by a Dam Owner in preparation for a Dam Safety Review, the activities undertaken by the Review Engineer during the process, and the need for follow-up by the Owner after the report has been delivered.

During the workshop, participants will work through exercises to understand:

- How to scope a Dam Safety Review
- What information is required to assess the safety of a dam
- How to approach the hazard-failure mode-control aspect of dam safety analysis
- How to present the findings in a manner that supports decision-making by the dam owner

Exercises are completed in small groups, allowing for significant discussion and peer learning among workshop participants. Extensive course materials are provided for attendees to use during the workshop and keep for future reference, including tools, examples and sample documents.

Target Audience

The workshop is aimed at the dam owners, consultants and regulators – including both engineering and management staff - who want to gain a better understanding of good practice as described in CDA's *Technical Bulletin: Dam Safety Reviews*.

Participants will gain an understanding of the roles and expectations of the Dam Owner and the Review Engineer, as well as the context of the Dam Safety Review within a dam safety program or management system.

The workshop is intended to meet requirements for continuing professional development.



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