

BOARD REPORT

Committee Name: Concrete Dams
Submitted by: Jerzy Salamon, jsalamon@usbr.gov
Report Date: March 31, 2022
Member Count: 60

Committee Mission/Purpose

The USSD Committee on Concrete Dams (Committee) collaborates and/or assists with other USSD committees in developing and promoting education and training activities under the four imperatives of the USSD Strategic Plan: Advocate, Educate, Collaborate, and Cultivate. The Committee mission is defined in the Committee Charter 2018-2022.

The Committee concentrates its activities on examining the technologies used in the evaluation, design and construction of new concrete dams and modifications of existing dams.

The Committee supports the International Commission on Large Dams (ICOLD) Technical Committee on Concrete Dams, by active participation in international level on studies, sharing state-of-the-practice experience, organization of technical events, and authorship/review of technical publications related to the design and construction of concrete dams.

2021 Goals/Accomplishments

- Supported organization of the 2022 USSD Conference.
- Continue with the work on developing two USSD White Papers.
- Committee contributed to ICOLD Bulletin on *Expansive Chemical Reaction Problems in Concrete Dams*.
- Continue supporting two ICOLD Subcommittees preparing bulletins on Arch Dams Design Methodologies and Criteria and a bulletin on Ageing Dams.
- Committee members prepared the nomination of Glen Canyon Dam for 3rd International Milestone on Large Concrete Dams.
- Two Committee members prepared a general report on Question 104 *Concrete Dam Design Innovation and Performance* for the 2022 ICOLD Congress.

2022 Goals

- Update the Committee Charter for 2022-2024.
- Support organization of the 2023 USSD Conference.
- Committee members will continue supporting ICOLD subcommittees preparing bulletins on *Arch Dams Design Methodologies and Criteria* and a bulletin on *Ageing Dams*.
- Committee members Jerzy Salamon (Vice-Chairman) and Rafael Ibanez-de-Aldecoa (Reporter) will organize a session for Question 104 *Concrete Dam Design Innovation and Performance* during the 2022 ICOLD Congress, Marseille, France.

- Subcommittee on “*Concrete Dam Raises*” is tasked with developing an USSD White Paper on *Concrete Dam Raises in the United States*. The planned presentation of the document is April 2022 and completion of the document by end of 2022.
Offer workshops during 2022 USSD Conference on *Dam Raises*.
The Subcommittee will initiate work on ICLOD bulletin on Concrete Dam Raises during the Congress in Marseille.
- Subcommittee on “*Seismic Analysis of Concrete Dams*” was formed on June 3, 2019 to develop a White Paper summarizing the outcomes from four USSD benchmark workshops. The scope of the planned document has been extended to incorporate the outcomes from ICLOD benchmark workshops and latest publications by the Committee members. The draft document is planned for April 2023.
- Committee members will cooperate with H&H Subcommittee preparing a White Paper on Structural Analysis of Spillway Gates.
- Committee members will support Academic & Research Collaboration Subcommittee of the USSD Education and Training Committee.
- Additional Committee goals for 2022 will be formulated during the Committee meeting on April 11, 2022.
- Committee is planning a workshop during 2023 USSD Conference on Advanced Analysis of Concrete Dams.

What do you need to accomplish your 2022 goals?
