

# USSD COMMITTEE ON CONCRETE DAMS CHARTER

Approved by Board of Directors April 7, 2019

## Committee Description and Background

The USSD Technical Committee on Concrete Dams (Committee) is one of the original technical committees when the Organization incorporated as United States Committee on Large Dams in 1988. 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.

## Terms of Reference

The Committee on Concrete Dams is charged with the following activities:

- Review of technical publications related to the evaluation, design, construction, rehabilitation and modifications of concrete dams, including papers on these subjects prepared for USSD Annual Conferences.
- Identification and collection of information and data related to new materials and technologies currently being used or under study. Information would include those viable for use, or reference in the evaluation, design, construction, rehabilitation and modification of concrete dams.
- Participation in technical conferences, workshops, and seminars to promote awareness and understanding of the importance of concrete dams in relation to dam safety.
- Support for the International Commission on Large Dams (ICOLD) Technical Committee on Concrete Dams, including active participation in international level on studies, sharing state-of-the-practice experience, and authorship/review of international publications related to the design and construction of concrete dams.
- Liaison with other professional organizations such as the American Concrete Institute (ACI), American Society of Civil Engineers (ASCE), ICOLD, as well as other USSD Committees.

The Committee is responsible for informing the USSD membership of state-of-the-practice advances and experience through timely publication of reports and white papers, organization of technical presentations during at the USSD Annual Meetings, announcements in the USSD

Newsletter, input to the committee section of the USSD website, and organization and execution of periodic workshops sponsored by USSD.

The Committee collaborates and/or assists with other committees in developing and promoting education and training activities under the four imperatives of the USSD Strategic Plan: Advocate, Educate, Collaborate, and Cultivate.

The specific goals and objectives of the USSD Technical Committee on Concrete Dams are as follows:

Advocate:

- Provide technical information to support Advocacy Goals.
- Communicate with committee members relevant outreach information/ activities.

Educate:

- Publish technical papers and presentation.
- Develop and implement conferences and workshops.
- Provide on-line resources.

Collaborate:

- Collaborate with the ICOLD Technical Committee on Concrete Dams.
- Collaborate with other USSD committees.
- Collaborate within USSD on topics within the technical realm of this committee.
- Strategically collaborate with targeted US organizations.
- Strategically collaborate with targeted international organizations.

Cultivate:

Improve committee operations through

- Outreach to USSD membership and experts in the industry
- Focus on involving young professionals in the Committee activities
- Identification of enthusiastic committee membership

## COMMITTEE ACTIVITIES

The specific activities the Committee has undertaken over the four years period include:

- Increase committee membership including the involvement of younger members.
- Support to the ICOLD Technical Committee on Concrete Dams in developing ICOLD Bulletin 176 on Roller Compacted Concrete Dams, and providing key authorship of three chapters on construction, performance, and other uses of RCC.
- Establish a subcommittee as part of new terms of reference for the period 2018-2021, preparing a bulletin on Raising of Concrete Dams to produce a white paper that will

- report the US experience with concrete dam raises
- Organize technical workshops during the USSD Annual Conferences.
    - *Seismic Evaluation of Concrete Dams* – Anaheim, April 6-7, 2017
    - *Evaluation of Numerical Models and Input Parameters in the Analysis of Concrete Dams*, Miami, May 3, 2018
    - *Introducing 2018 ICOLD Bulletin 177 on Roller Compacted Concrete*, Chicago, April 11, 2019
    - *Seismic Evaluation of Concrete Dams*, Chicago, April 11, 2019
    - *15<sup>th</sup> ICOLD International Benchmark Workshop on Numerical Analysis of Dams – Theme A Seismic Analysis of Pine Flat Concrete Dam*, Milan, September 9, 2019

## COMMITTEE MEMBERS

As of December 2018, the Committee has 36 members, including 8 Young Professionals (YP).

- Committee Chair: Jerzy Salamon, email: [jsalamon@usbr.gov](mailto:jsalamon@usbr.gov)
- Vice Chair: Greg Zamensky, email: [zamenskyg@bv.com](mailto:zamenskyg@bv.com)
- Vice Chair (YP): Hillery Venturini, email: [hventurini@usbr.gov](mailto:hventurini@usbr.gov)