

USSD COMMITTEE ON CONCRETE DAMS CHARTER

Approved by the Board of Directors on 7/22/15

COMMITTEE DESCRIPTION

The USSD Technical Committee on Concrete Dams concentrates its activities on examining the technologies used in the design and construction of concrete dams, including properties and characteristics of materials.

TERMS OF REFERENCE

The Concrete Dams Committee has been established by the Board of Directors (BOD) of USSD.

The Concrete Dams Committee is charged with the following activities in USSD:

- Review of technical articles related to the rehabilitation and repair of concrete dams, including papers on this subject prepared for USSD Annual Meetings.
- Identification and collection of information related to new materials and technologies currently being used or under study or considered viable for use in the design, construction, rehabilitation and/or repair of concrete dams.
- Review of technical topics of interest related to design of concrete dams, including alkali-aggregate reactivity.
- Evaluation of concrete in dams focusing on assessment of life extension.
- Participation in appropriate conferences and other activities to promote awareness and understanding of the importance of concrete for dams.
- Liaison with other professional organizations such as the American Concrete Institute (ACI), as well as various other USSD Committees.

Further, the committee supports the work of the International Commission on Large Dams (ICOLD) Technical Committee on Concrete Dams. Through this work, the Committee actively participates at the 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.

The Committee keeps the USSD general membership informed of state-of-the-practice advances and experience through timely publication of reports and white papers, organization of technical papers at the USSD Annual Meeting, announcements in the USSD Newsletter, input

to the committees section of the USSD website, and in the organization and execution of periodic workshops sponsored by USSD.

The Committee shall also collaborate and/or assist with other committees in developing and promoting education and training activities under the four imperatives of the USSD 2014-2017 Strategic Plan: Advocate, Educate, Collaborate, and Cultivate.

BACKGROUND AND HISTORY

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

Key topics that have been included in publications from this committee include:

- Alkali aggregate reactivity (AAR)
- Roller-compacted concrete (RCC)

The Committee continues to review current topics of interest to members in these areas.

RESPONSIBILITIES

There are no specific responsibilities of this committee and/or subcommittees that have been established by the BOD.

CHAIR, AND VICE CHAIRS AND RELATED RESPONSIBILITIES

Chair: Michael F. Rogers

Vice Chair: Guy S. Lund

Vice Chair (Young Professional): Eric Kennedy

GOALS AND OBJECTIVES

The specific goals and objectives of the USSD Technical Committee on Concrete Dams for the three year period beginning in 2014 are as follows.

Advocate:

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

Educate:

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

Collaborate:

1. Collaborate with the ICOLD Technical Committee on Concrete Dams.
2. Collaboration within USSD members on topics within the technical realm of this committee.
3. Strategically collaborate with targeted US organizations.
4. Strategically collaborate with targeted international organizations.

Cultivate:

1. Improve committee operations

MEMBERSHIP

The current membership of the USSD Technical Committee on Concrete Dams is provided below.

Michael F. Rogers, Chair
Guy S. Lund, Vice Chair
Eric Kennedy, YP Vice Chair
Robin G. Charlwood
William R. Fiedler
David Gutierrez
Vik Iso-Ahola
Francisco Lopez
Gary R. Mass
James D. Molyneux
Nick Patch
Jerzy Salamon
Glenn S. Tarbox

Jim Zhou

The specific activities the committee will be undertaking over the next three years to increase committee membership including the involvement of younger members.

A. Support to the ICOLD Technical Committee on Concrete Dams for the update of ICOLD Bulletin 126 – Roller Compacted Concrete Dams. USSD will provide key authorship of three chapters, as follows:

- Chapter 5 – Construction – Ibanez-de-Aldecoa
- Chapter 7 – Performance – Dolen
- Chapter 8 – Other Uses – Rogers

B. The Committee will organize a workshop at USSD 2015 on RCC, specifically the three chapters identified above for ICOLD Bulletin 126.