

USSD COMMITTEE ON CONSTRUCTION AND REHABILITATION CHARTER

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

COMMITTEE DESCRIPTION

The USSD Committee on Construction and Rehabilitation will, in collaboration with other USSD and ICOLD committees and the water resources community at large, address the role of construction techniques, construction management and construction activities in building and maintaining dams and dam related infrastructure.

Specific areas of focus include the following:

- Methods of dam construction and removal
- Effectiveness of construction in the reduction of risk
- Effectiveness of construction in maintaining infrastructure assets
- Effectiveness of construction in improved operations and maintenance
- Effectiveness of construction in the mitigation of the effects of aging
- Life-cycle costs and benefits of construction projects
- Effectiveness of measures to mitigate environmental impacts associated with construction

TERMS OF REFERENCE

The Construction and Rehabilitation Committee was established by the Board of Directors in the early 1970's. The Committee is charged with addressing the role of construction techniques, construction management, and construction activities in building and maintaining dams and dam related infrastructure. The Committee assists and collaborates with other USSD Committees and professional organizations in matters related to the construction and rehabilitation of dams. Further, the committee participates in *Committee M, Operation, Maintenance, and Rehabilitation* of ICOLD. The Committee keeps the general membership informed of dam construction related issues through timely publication of reports and white papers, announcements in the Newsletter, input to the Committees section of the USSD website, and in the organization and execution of periodic workshops. The Committee will also collaborate and/or assist with other committees in developing and promoting education and training activities under the four imperatives of the 2014-2017 Strategic Plan, Advocate, Educate, Collaborate, and Cultivate.

The Committee has three active subcommittees developing whitepapers and supporting workshop and technical session activities. Those subcommittees are as follows:

Slurry Wall Construction	
Tom Brown, Chairperson	Matt Sheskier
Paul Krumm	Tom Hurley
Jack Kinley	Chris Kravanic
Dave Paul	John Rice
Greg Zamensky	Jim Obermeyer
Risk Management	
Rod Eisenbraun, Chairperson	Harold Kanara
Dan Hertel	Steve Summy
Dan Wade	Jerry Reed
Mike Miller	Warren Paul
Greg Zamensky	Jeff Martin
Jeff Allen	
Coffer Dams	
Dave Paul, Chairperson	Charlie Larson
Ken Hansen	Dave Dollar
Randy Bass	Victor Vasquez
Bill Fiedler	Jim Obermeyer

BACKGROUND AND HISTORY

The USSD Construction and Rehabilitation Committee focus is on the construction aspects of new dams and dam rehabilitation by creating, developing, and sharing a broad spectrum of technical and managerial information for dam practitioners. The committee holds technical committee meetings at each annual meeting, has led the annual meeting's technical sessions, holds workshops, and develops publications and white papers. This committee has been supporting the ICOLD *Committee M, Operation, Maintenance, and Rehabilitation* since the committee was developed.

Since at least the early 2000's, Committee M's USSD representative has taken an active role in developing ICOLD bulletins and participating in Annual Meetings and Congresses. Since 2012 the USSD Committee has provided the Co-Chairman of the ICOLD committee M. Currently, two USSD members are actively involved in ICOLD bulletin development. This USSD committee was very active at the 2013 ICOLD meeting in Seattle, by leading the "Life Extension" technical session of the symposium and developing and holding a workshop on "Life Extension".

Over the last several years the Committee members have developed and presented papers on "Alternative Contracting Procedures", completed the publication "Guidelines for Responsible Construction Cost Estimating for Engineers and Owners", and are nearing completion of the publication "Risk Management for Dam Construction". Two publications that have been in development for the last few years are "Cofferdams in Construction" and "Construction of Slurry Walls for Levees and Small Embankment Dams."

RESPONSIBILITIES

The USSD Board of Directors appointed Dan Johnson, current Chairman of the Committee as USSD representative and Co-Committee Chairperson of the ICOLD Committee M in 2012. That three year term expires in 2015.

CHAIR, AND VICE CHAIRS AND RELATED RESPONSIBILITIES

Chair: Daniel Johnson
AECOM
1881 Tufts Avenue
Denver, CO 80237
303-740-3874
dan.johnson@aecom.com

Vice Chair: Samuel Planck
HDR Engineering, Inc.
2365 Iron Point Road
Folsom, CA 95630
916-817-4859
Sam.planck@hdrinc.com

Vice Chair (Young Professional) TBD

GOALS AND OBJECTIVES

Advocate:

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

Educate:

1. Complete two currently-underway technical whitepapers; publish and present them to a wide audience.
2. Share the committee's activities and whitepapers/publications with ICOLD by participating in annual meetings and congresses.
3. Support annual meetings and conferences by publishing papers and holding workshops

4. Provide on-line resources to the USSD website

Collaborate:

1. Collaboration within USSD by holding technical sessions at annual meetings and invite other USSD members to join in the discussions.
2. Strategically collaborate with targeted US organizations, such as ASDSO, ASCE, Universities, and State Dam Safety organizations.
3. Collaboration within ICOLD by participating in the ICOLD Committee M Terms of Reference and ongoing activities. Initiate participation in the Regional Club “National Committees of the Americas” (INCA) and assist in its growth.

Cultivate:

1. Continue to identify young professionals and encourage them to be active in subcommittees.
2. Select a young professional to fill the role of Vice Chairperson (young professional)

MEMBERSHIP

The Committee on Construction and Rehabilitation currently has 42 members. Membership outreach continues to be a priority of the committee, particularly the addition and involvement of younger members. The committee encourages its senior members to be advocates to their company or agency management to fund the participation of junior staff in this and other USSD committees.

Daniel L. Johnson, Chair
Samuel M. Planck, Vice Chair
Jeffrey C. Allen
Randall P. Bass
Thomas A. Brown
Woodrow W. Crouch
Timothy P. Dolen
Frederick Ehat
Rodney Eisenbraun
William R. Fiedler
Kenneth D. Hansen

Craig W. Harris
Daniel J. Hertel
Richard W. Humpries
Frank Immel
John R. King
Jack Kinely
Paul Krumm
Jeff Martin
Michael J. Miller
William A. Moler
James Ray Obermeyer
Nick Patch
David B. Paul
Warren J. Paul
Alberto Pujol-Rius
Gerard E. Reed III
John D. Rice
Dietmar Scheel
Emily Schwartz
Paul G. Schweiger
Del A. Shannon
Sam Sherman
John D. Smart
Daniel Tiltges
Daniel L. Wade
Matthew Wigle