

Effects of Alkali-Aggregate Reaction (AAR)

A TECHNICAL REVIEW AND PORTRAIT

Thursday, June 27, 2024 | 12-1:30pm ET | WEBINAR

Webinar Details:

Title: Effects of alkali-aggregate reaction (AAR) - A technical review and portrait

Date: June 27th at 12h00 (Eastern time)

Duration: 90 minutes

Registration Link: [Effects of alkali-aggregate reaction \(AAR\) – A technical review and portrait - Canadian Dam Association \(CDA-ACB\)](#)

Webinar Description:

CDA (Canadian Dam Association) and UCOLD (Uganda Committee on Large Dams) are pleased to collaborate in presenting this free webinar targeted at Professionals and Young Professionals in the ICOLD community and others interested in the topic of AAR. The webinar moderator will be CDA's Mayari Bernard-Garcia, ing., M.A.Sc., PhD, Hydrological, hydraulic and dam safety engineer at AtkinsRéalis.

Opening remarks on the Memorandum of Understanding (MOU) between CDA and UCOLD will be given by Jean-Pierre Tournier, ing., PhD, Expert Advisor of Hydroelectric Developments at Hydro-Québec. Highlights on the significance of the MOU will be given by Fredrick Wasike, P.Eng, Manager, Dam Safety and Water Resources at Uganda Electricity Generation Company Limited (UEGCL). Klun Mateja, ICOLD YP Board Chair, will provide information about the ICOLD Young Professionals Network.

A presentation of how AAR affects some dams in Uganda will be provided by Patsheba Ayebare, Dam Safety Engineer, from UEGCL. A technical introduction to alkali-aggregate reaction (AAR) will be presented by Gurinderbir Sooch, M.A.Sc, P.Eng, Director, Hydropower and Dams with Hatch. Example projects will be discussed to illustrate issues and problems with dams in Canada and USA.

The webinar will conclude with a short Q&A / Discussion session.

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National Committee Speakers:



Jean-Pierre Tournier has over forty years of experience in all stages of infrastructure projects, and in particular, hydroelectric projects, in both the public and private sectors in Canada and internationally. He is the author and co-author of more than fifty technical publications and his expertise is recognized by the dam community around the world. He has served as Vice president of the ICOLD and as President of the CDA and remains very active in both organizations.



Fredrick Wasike, P.Eng. is a founder member and the Secretary General of UCOLD. Fredrick is also the Manager, Dam Safety and Water Resources at UEGCL.



Mateja Klun, PhD, is a research and teaching assistant at the University of Ljubljana, Faculty of Civil and Geodetic Engineering. Mateja is the current Chair of the ICOLD Young Professional Forum (YPF).

Panel of Experts:



Patsheba Ayebare, M.Sc. is a passionate Civil Engineer with over 5 years of experience in the Dam Safety and Water Resources sectors. Currently, she works at UEGCL, applying her expertise to ensure the safe and sustainable operation of dams.



Gurinderbir Sooch, M.A.Sc, P.Eng, is the Director, Hydropower and Dams Engineering at Hatch. He has published technical papers in USSD, ICOLD and CDA and voluntarily contributes to various dam engineering-related committees. He is also member in the ICOLD Technical Committee A: COMPUTATIONAL ASPECTS OF ANALYSIS AND DESIGN OF DAMS.

Moderator:



Mayari Bernard-Garcia, Eng., M.A.Sc., PhD, is a hydrological, hydraulic and dam safety engineer at AtkinsRéalis. She is a member of the International, Francophone and Young Professional committees at CDA and a member of the ICOLD-YPF. She is also currently active on two working groups of the ICOLD Dam Safety Technical Committee.