



GEO-
INSTITUTE
Pittsburgh Chapter

Webinar - March 18th, 2021

EMERGENCY REPAIRS TO THE MOSUL DAM: A HIGH-RISK DAM ON KARST FOUNDATION

by:
David Paul, P.E.

1.5 PDH available



This lecture addresses the foundation engineering challenges related to karst geology and reducing the risk of failure of the dam which would have posed a catastrophic threat to the surrounding community. This lecture also addresses some of the initial challenges of the project which include public reluctance to accepting the risk posed by the dam, financing a project of this scope, and establishing a secure area to execute the works. Since this project was awarded to an international firm, the lecture will also address forging an international partnership and completing a bilateral agreement to commission the U. S. Army Corps of Engineers as the engineer.

David B. Paul, P.E., is Managing Partner of Paul GeoTek Engineering LLC, Denver CO. He retired from the US Army Corps of Engineers (USACE) at the end of 2018 after 42 years of Federal service. During his tenure at USACE Mr. Paul served as the Dam Safety Officer for the Mosul Dam Task Force which provided technical assistance to the Government of Iraq to mitigate dam safety issues associated with Mosul Dam. He also served as Special assistant for Dam Safety at the USACE headquarters in Washington, D.C., responsible for managing the USACE's portfolio of 715 dams. He is a national specialist on critical infrastructure design, dam design, levee design, construction engineering, engineering risk assessments, interim risk reduction measures (IRRM), and dam and levee safety modifications. He recently participated in the Risk Assessment for Oroville Dam in California, which is the tallest earth dam in the United States. He has been involved in the design and construction of 10 new dams and over 75 dam modifications around the world. Mr. Paul is currently a Trustee of the Deep Foundations Institute and a member of the United States Society of Dams (USSD), Association of State Dam Safety Officials (ASDSO) and American Society of Civil Engineers (ASCE). He is DFI Trustee for the Seepage Control and Grouting Committees, he serves as Chairman of the USSD Committee on Construction, and he is also active with the Embankment Dams Committee. He is the USSD Representative to the International Commission on Large Dams (ICOLD) Embankment Dams Committee.

WHERE

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Link to Registration: <https://attendee.gotowebinar.com/register/1037878915608040976>

TIME

12:00 PM – 1:30 PM EDT