

Dam Failures and High Water
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Sponsored by GZA GeoEnvironmental, Inc.



Luke Trumble

Luke Trumble is a senior Dam Safety Engineer with the Department of Environment, Great Lakes, and Energy. Luke has 15 years of engineering experience, including 10 years with the State of Michigan's Dam Safety Program. Prior to working for the state, Luke worked for approximately 5 years as a consultant, specializing in Civil Design and construction. Luke is a licensed professional engineer and a graduate of Michigan State University's School of Engineering.

Adam Monroe

Adam J. Monroe is the Chief Dam Safety Engineer for Consumers Energy Company. He is licensed professional engineer in the state of Michigan. He has managed the Dam Safety Program for the past 13 years to ensure compliance with the Federal Energy Regulatory Commission Dam Safety requirements for Consumers Energy's 13 conventional hydroelectric plants and the Ludington Pumped Storage Project.

Anders Bjarngard

Anders Bjarngard is a principal at GZA GeoEnvironmental with over 33 years of experience as a geotechnical engineer specializing in dam safety and waterfront engineering. He previously managed GZA's dam engineering group and now services as principal-in-charge for numerous projects with clients ranging from private, commercial and government clients including the US Army Corps of Engineers New England District. He is a licensed professional engineer and received his master's in geotechnical engineering from Tufts University.

Yixing Yuan

Dr. Yixing Yuan has worked in the Dam and Levee Safety group at GZA GeoEnvironmental since 2017. He received his Ph.D. in Geotechnical Engineering from MIT in 2016. He has strong background on fundamental soil behavior and advanced soil mechanics. His areas of expertise are numerical modeling of general geomechanical problems, including slope stability analyses, soil-water-structure interaction, unsaturated field response, and long-term ground movement.

Luis Saldivia

Luis Saldivia has worked for the Department of Environment, Great Lakes, and Energy, or its predecessor agencies MDNR and MDEQ, since 1988. Luis has been the Field Operations Section Manager for Lakes Michigan and Superior since 2019. He currently oversees Water Resources Division's (WRD's) water quality and water resources programs in the Kalamazoo, Grand Rapids, Cadillac, Gaylord and Marquette District Offices. He is a licensed professional engineer in the State of Michigan.

Dana Burd

Dana Burd is a project manager for municipal public works projects with Prein & Newhof. Dana manages a variety of projects that balance the needs of a developed society with the natural resources of Michigan. He is a Parks Commissioner in Saugatuck Township and a volunteer youth sports coach. He is a Michigan Professional Engineer, Certified Floodplain Manager, LEED Accredited Professional, and graduate of the University of Notre Dame.