

Dr. Williamson is an environmental geochemist with over 25 years of experience in consulting, basic/applied research and educational settings. He holds a PhD from Virginia Tech, a Masters degree from Northern Arizona University and a Bachelor's degree from Old Dominion University. Mark has worked extensively in the mining industry and has been involved in geochemical studies and site evaluations across the United States as well the Philippines, Peru, Australia, Indonesia, Argentina, Canada and Mongolia. Dr. Williamson has extensive experience with acid rock drainage (ARD), which began over 25 years ago with his PhD graduate studies in the kinetics of pyrite oxidation. His experience has expanded to include characterization of mine material for potential ARD formation using industry standard methods, prediction of water quality from mine facilities, support for engineered construction design of mine waste facilities, pit lake models, and water treatment design support. In addition to ARD, Mark has extensive experience with metals in aquatic environments, geochemical engineering, and the fate and transport of chemicals in the environment.