



Shiya Wang, PhD

Physicist/Uranium Project Officer

Colorado Department of Public Health and Environment

Shiya Wang is a uranium project officer with the State of Colorado, Radiation Program. She joined the Radiation Program in 2012 and has worked as the health physicist for uranium, regulating all uranium recovery facilities in Colorado. Major uranium recovery sites in Colorado are conventional or heap leach facilities, such as Cotter, Uravan, and Piñon Ridge mills. She is mainly responsible for licensing, inspection, technical and regulatory decision analyses, incident response, and technical document and occupational/environmental data reviews. She also has experience in CERCLA processes and oversees other sites such as water treatment facility, RCRA waste disposal facility authorized for TENORM disposal, and properties under environmental covenants.

Shiya obtained her BS and MS degrees in Physics in Taiwan, and PhD in Astrophysics from University of Illinois at Urbana-Champaign. Before working with the State of Colorado, she was a research scientist in astrochemistry and radio/infrared astronomy at University of Michigan and Emory University.

Presentation Title: Regulating Ablation Mining Technology in Colorado

Abstract of Presentation: Ablation Mining Technology is a newly proposed uranium recovery technology that has not been commercially operated anywhere in the United States for recovering uranium. On December 2016, Colorado Department of Public Health and Environment issued a determination that the proposed ablation operation at the Sunday Mine in Colorado by Black Range Minerals must be regulated through a milling license. The presentation will provide an overview of the proposed ablation operation and the decision making and public processes, and discuss the decision analyses, regulatory options, and stakeholder inputs that were considered in making this determination. The presentation will also describe how ablation fits within the spectrum of typical uranium mining and milling activities and how it fits within the current regulatory framework.