



UT Permian Basin
College of Engineering

Texas Water and Energy Institute Virtual Water Lecture Series

The University of Texas Permian Basin

Friday, November 20
10:00 am - 11:30 am
Virtual Link: [Link in the Bio](#)

Registration required!
Email twei-info@utpb.edu or call
(432) 552-3430

+ Presenting

Topic: Sourcing and characterizing geochemical changes from unpermitted produced water dumping, Permian Basin, USA.

Produced waters are the most voluminous waste stream of hydrocarbon production, with the Permian Basin of New Mexico and Texas producing more than 10,000,000 barrels/day (1.7×10^9 L/day). Despite calls for better produced water management in this semi-arid region, unpermitted produced water dumping remains a serious problem. This study focuses on the chemical and isotopic composition of 41 surface (0-5 cm) and core (0-30 cm) soil samples from 5 dump sites in the Mescalero sand dunes, southeast New Mexico.

LECTURE SERIES



Water lecture series

Dr. Mark Engle

Department of Geological Sciences
The University of Texas at El Paso (UTEP)

ABOUT THE SPEAKER

Dr. Engle is a Professor in the Department of Geological Sciences at The University of Texas at El Paso. He has nearly 20 years of experience working in government and environmental consulting. He holds a Ph.D. and M.S. in hydrogeology from the University of Nevada, Reno, and a B.S. from The Evergreen State College. His current research covers a broad range of fluid movement and chemistry, from geologic basins to the free troposphere. Dr. Engle has published nearly 100 journal articles, book chapters, and reports and is an associate editor of Applied Computing and Geosciences.