

Seminar by,
Dr. Megan Plumlee, Ph.D., P.E.
Director of Research,
Orange County Water District, California



*Advanced Water Purification and Groundwater Recharge at
the Orange County Water District in Southern California*

Abstract: Megan Plumlee is the Research Director for Orange County Water District (OCWD) and will present an overview of OCWD mission and potable reuse facility. OCWD is a groundwater wholesaler located in Fountain Valley, California serving 19 major retail water agencies or City water departments in north and central Orange County in Southern California. This local groundwater resource provides more than 75% of the annual water supply to more than 2.5 million residents. As a critical part of OCWD's mission to provide a reliable, high quality water supply in a cost-effective and environmentally responsible manner, OCWD performs aquifer recharge to replenish groundwater and maintains a seawater intrusion barrier. An important groundwater recharge source is the OCWD Groundwater Replenishment System (GWRS) Advanced Water Purification Facility (AWPF) that reclaims local wastewater. At its current capacity of 100 million gallons per day (MGD), the GWRS AWPF is the world's largest water purification system for potable reuse.

Biosketch: Megan Plumlee, Ph.D., P.E. is the Director of Research for the Orange County Water District, where she oversees a team of scientists and engineers conducting applied research that supports the District's core operational needs. The Research and Development (R&D) Department collaborates with universities and topic experts to conduct water quality and operational studies including evaluation of promising new technologies to advance OCWD's recycled water treatment and groundwater recharge operations. Dr. Plumlee also participates in scientific and project advisory committees to help guide external research efforts. She has authored or co-authored over 30 peer-reviewed publications in scientific journals.

Date: Friday February 4th, 2022

Time: 4:00 – 4:50 PM

Zoom Meeting ID: 989-6803-7365



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