



*Mr. Lozier is an internationally recognized authority on membrane technologies for potable water treatment, desalination and water reuse.*

## **James Lozier, PE**

### **Technology Fellow**

Mr. Lozier is one of only five Technology Fellows within CH2M HILL's global Water Business Group. He specializes in the application of membrane processes for water treatment, desalination, and water reuse. Mr. Lozier serves as CH2M HILL's co-leader for Membrane Technologies Practice and is a member of the firm's Desalination Technology Practice.

He has 26 years of experience in evaluating, designing, and implementing a wide variety of membrane technologies, including reverse osmosis, nanofiltration, ultrafiltration, microfiltration, and electrodialysis. He applies this experience where such processes are used individually for seawater, groundwater and surface-water desalting, particle removal, and other single-purpose applications; as part of multi-process (integrated) treatment facilities addressing a variety of treatment challenges; and in using membrane bioreactors for wastewater treatment and advanced water reclamation.

Mr. Lozier has published more than 60 articles on the use of membrane processes in drinking water production, desalination, and water reuse. He is a registered professional engineer.

### **Education**

Mr. Lozier received his master's degree in civil engineering from the University of Arizona and his bachelor's degree in biology from State University of New York.

### **Professional Affiliations**

Mr. Lozier is a member of the International Desalination Association, a member and past Chair of the American Water Works Association (AWWA) Membrane Practice Committee, the editorial board for the Journal Desalination, and the International Technical Committee of the International Water Association Membrane in Industrial and Drinking Water conference. He currently serves as an editor for Water Science and Technology journal.

He is a recipient of the Presidential Award for Distinguished Service from the American Desalting Association, the Golden Spigot Award for Outstanding Service as Committee Chair and Best Paper Award for Committee Report: Residuals Management for Low Pressure Membranes for the Water Quality and Technical Division of AWWA.

#### **About CH2M HILL**

*Headquartered in Denver, Colorado, employee-owned CH2M HILL is a global leader in engineering, construction, operations, and related technical services for public and private clients. With more than \$6 billion in revenue and 25,000 employees worldwide, CH2M HILL delivers innovative, practical, sustainable solutions—helping clients develop and manage infrastructure and facilities that improve efficiency, safety, and quality of life.*