

**CEC SCIENCE ADVISORY PANEL
FOR COASTAL & MARINE ECOSYSTEMS IN CALIFORNIA
SCIENCE ADVISORY PANEL MEMBER BIOGRAPHIES**

**CHEMIST FAMILIAR WITH THE DESIGN AND OPERATION OF ADVANCED LABORATORY METHODS
FOR THE DETECTION OF EMERGING CONSTITUENTS**

Dr. Shane Snyder

Director and Vice President

Total Environmental Solutions, Inc.

Education:

Ph.D., Zoology and Environmental Toxicology, Michigan State University

B.A., Chemistry, Thiel College

Dr. Snyder is an internationally renowned expert on emerging water quality issues with over 15 years of experience in the evaluation of occurrence and fate of trace contaminants in water. In 1998, he was credited with the first discovery of natural and synthetic estrogens in North American waters. Dr. Snyder also was the first researcher in North America to link the occurrence of estrogens in water to biological effects using bioassays. In 1999, he published the first report documenting the presence of pharmaceuticals in the Colorado River. He joined the Southern Nevada Water Authority (SNWA) in 2000 as the first R&D staff and was instrumental in the development of SNWA's Applied R&D Center (ARDC), which opened in 2007 with more than 20 scientists in a diversity of fields. In 2002, he was awarded one of the most comprehensive studies investigating the efficacy of conventional and advanced water treatment processes for the removal of endocrine disruptors and pharmaceuticals (AwwaRF 2758). Through Dr. Snyder's leadership, the SNWA-ARDC has been awarded over \$5,000,000 of competitive research funding from a variety of government and private sector agencies. Dr. Snyder serves as an Associate Adjunct Professor of Chemistry at the University of Nevada, Las Vegas. He has served two terms on the U.S. EPA Federal Advisory Committee for the Endocrine Disruptor Screening Program and has served on two expert panels for U.S. EPA's Candidate Contaminant List III. He is a member of the Research Advisory Council for the WaterReuse Foundation and is a member of the American Water Works Association's Water Science & Research Division Board of Trustees. In April 2008, Dr. Snyder testified before the U.S. Senate Committee on Environment and Public Works for a subcommittee hearing entitled "Pharmaceuticals in the Nation's Water: Assessing Potential Risks and Actions to Address the Issue." He has published more than 60 manuscripts and book chapters on the detection and treatment of endocrine disruptors and pharmaceuticals in water, including the first national survey of pharmaceuticals in US drinking water.