



**John N. DeBoice, P.E., Ph.D.**

Senior Engineer

Oscar Larson & Associates

**REGISTRATION:** Civil Engineer No. 26167, California, since 1976  
Civil Engineer No. 21272, Nevada, since 2011

**EDUCATION:** PH.D. in Sanitary Engineering, U.C. Berkeley, 1974  
M.S. in Sanitary Engineering, U.C. Berkeley, 1967  
B.S. in Civil Engineering, University of Hawaii, Honolulu, 1966

Dr. DeBoice has a broad range of experience in the field of sanitary engineering, ranging from design and construction of wastewater treatment facilities, sewers, lift stations and force mains, computer modeling of sewer systems and waste treatment processes, and evaluations of the impact of wastewater discharge to ground waters, marshlands, tidal sloughs, rivers and open ocean areas. His water system experience includes evaluations of water treatment and distribution facilities, computer modeling of water distribution systems, design of water treatment, distribution and storage facilities. He has also carried out pilot studies, designed waste handling facilities for water treatment plants, conducted corrosion studies and spoken on disinfection at Water Treatment Forums and Workshops held by the California section, AWWA, throughout California and Nevada.

Dr. DeBoice has also been responsible for the design and construction of industrial water supply and wastewater disposal facilities, and has conducted waste surveys, in-plant source control programs, and studies of corrosion, scaling, and biological fouling of cooling towers, boilers, and water distribution piping. He has authored several technical publications and given presentations at numerous technical meetings and conferences.

While with Oscar Larson & Associates he has been responsible for a variety of water and wastewater planning and design projects including evaluation of the Mad River Pipeline, a 70+ year old, 24-inch mortar lined and coated steel pipe that is the primary water supply line for the City of Eureka. The line extends through developed properties, along streets and across former tidal wetlands for over 10 miles from the Humboldt Bay Municipal Water District supply facilities in Arcata to the City of Eureka. The evaluation resulted in recommendations for a five-part improvement program with an estimated cost of \$9.4 million. He was responsible for design and construction management of the first three of those phases and is currently working on the next phase. Other water system projects have included design and construction monitoring of a 750,000-gallon steel water storage tank for the Bertsch-Ocean View Community Services District and planning and design of a chlorine contact tank, clearwell and backwash water recovery system for Brooktrails Community Services District.

Wastewater planning and design projects he has been responsible for include: development of the operations and maintenance manual and providing startup and operational assistance for the Manila Community Services District Wastewater Treatment Facilities which treats septic tank effluent utilizing aerated lagoons and constructed wetlands, design and construction monitoring of \$3.3 million in sanitary sewer system rehabilitation work to correct infiltration/inflow problems in the Del Norte County Service Area tributary to the Crescent City sewer system and performance of a pollution study and development of alternatives for wastewater collection and treatment for the community of Orick. In two separate projects for McKinleyville Community Services District he was responsible for a study on disinfection alternatives to meet PSM and RMP requirements, a complete evaluation of the treatment and disposal capacity of the District's wastewater management facilities and design and construction of improvements to the facilities headworks. He also was responsible for construction management for \$14 million of improvements to the City of Fortuna wastewater treatment facility.

**AFFILIATIONS:** American Water Works Association, Life Member