

## Mark S. Adams, P.E.

### Education

California State University, Chico  
BS Civil Engineering, 1979

### Professional Licenses

Civil Engineer, California C34257  
Civil Engineer, Oregon 16,322  
LEED Accredited Professional

### Professional Affiliations

California Onsite Wastewater  
Association (COWA)

Professional Advisory Board,  
Department of Civil Engineering,  
CSU Chico

Mr. Adams is President of NorthStar Engineering, a Civil Engineering and Land Surveying firm employing thirty one engineers, surveyors and technicians. In addition to his role as a Principal Engineer for the firm, he also shares responsibility for day-to-day operations as one of six partners. Mr. Adams currently serves as the District Engineer for the Thermalito Water and Sewer District.

Mark Adams has been in the civil engineering field for over 25 years with a wide variety of experience including, building design, site development, decentralized wastewater projects.

Mark has also been involved in the creation and refinement of the Town of Paradise Onsite Management Zone, Manual for the Onsite Treatment of Wastewater, which includes design criteria for various treatment and dispersal options.

Mark has taught The Basics of Onsite Wastewater and Traditional Gravity to Drip – Onsite Distribution Methods at the California Wastewater Training and Research Center at California State University, Chico.

Mark was a presenter at the Yosemite National Park High Sierra Camp Utility System Workshop in 2005 for the National Park's Service. This workshop focused on the design of wastewater systems for extremely remote campsites. Mark presented on treatment options including composting toilets and septic tank systems; and federal, state and local government compliance coordination for multijurisdictional approvals.

### Professional Affiliations

- California Onsite Wastewater Association (COWA): Mark Adams is a founding member of the and currently sits on the Board of Directors as the Northern California Vice President of this organization.
- Professional Advisory Board, Department of Civil Engineering, CSU Chico: Mark Adams is a long standing member of the Board which advises the CSU, Chico Civil Education Department on improving their curriculum to meet the changing needs of industry. Mark currently serves as Chair of this group.

### Past Project Designs

- Creekside Development – Cow Creek Band of the Umpqua Tribe, Canyonville, Oregon: Ongoing master site and infrastructure planning and design for the growth surrounding and including the 7-Feathers Casino, Hotel, and Truck and Travel Center. Improvements include an expansion of the Casino and Hotel facilities, an expansion of the Truck and Travel Center, development of a new 200-space RV Park, development of a freeway rest stop, plus infrastructure needs for other facilities. Wastewater infrastructure improvements include gravity sewer mains, pressure force mains, pump stations, lined treatment lagoon, filtration, disinfection, and irrigation reuse. Phase I wastewater capacity is 450,000 gallons per day with a final design capacity of 1,000,000 gallons per day. Pump stations are designed with generator back-up and all controls are networked through a central monitoring office. Additional tasks related to wastewater include coordination with other consultants, design of collection system from existing buildings, building design, contract documents, and cost analysis. Contact: Brian Boswell, Project Manager for the Cow Creek Band of the Umpqua Tribe, 541-580-2119.
- K-Mart Albertson Shopping Center, Town of Paradise: Included development plans and specifications for a repair to the existing wastewater collection treatment and disposal systems. This design included the collection of flows from numerous individual systems on the site to a central treatment plant designed to serve the entire center with a design flow of 15,000gpd. Effluent is treated with an SBR with the treated effluent was returned

to the existing individual dispersal fields with varying trench condition via pressure distribution to assist in the rehabilitation of impaired trenches and a better balance of wastewater dispersal over the entire site. Contact Doug Danz, Town of Paradise, 5555 Skyway, Paradise, CA 95969, 530-872-6239.

- Town of Paradise Downtown Revitalization District 1999, Town of Paradise: Preliminary design and feasibility analysis for a "cluster" wastewater collection, treatment, and disposal system to serve a portion of the Paradise downtown commercial zone. As a result of a combination of septic system failures plus the remodel of an existing building into the new home for the Boys and Girls Club of Paradise a "cluster" system was proposed. NorthStar Engineering worked under contract to the Town of Paradise to map the area, research and identify existing facilities, analyze flows, and design on a preliminary basis a wastewater collection, treatment, and disposal system that was to include a package treatment plant and combination drip/leachline disposal. NorthStar Engineering worked under contract to private client to design an interim wastewater collection, treatment, and disposal system for the Boys and Girls Club building. Other tasks included topographic survey, boundary analysis, easement acquisition, coordinating permit approvals, cost estimating, bid assistance, and construction supervision. Contact: Dennis Schmidt, Town of Paradise Engineer, 530-872-6291.