



AQUA delivers cost-effective, innovative solutions in the areas of Water and Wastewater Treatment; from master planning and feasibility studies to complete engineering, design and construction services for water and wastewater facilities, our extensive experience is enhanced by our deep understanding of and our commitment to the communities in which we live, work and play. AQUA's experience in water and wastewater treatment engineering goes well beyond textbook designs, and is based on years of touring treatment facilities, talking with operators, and providing operation and maintenance services allowing us to see much deeper into treatment design than normally provided. With more than 300 successful projects, our wastewater treatment facilities are on the cutting edge of technology. We have proven experience in municipal and industrial wastewater treatment, facility structure design, environmental studies and master plan development. Some technologies include Integrated Fixed-Film Activated Sludge (IFAS), Membrane Bioreactor (MBR), Multi-Stage Activated Biological Process (MSABP), Biological Solids Removal and other traditional treatment methods.

## Featured Projects



### WRCRWA Wastewater Treatment Plant

Reference: Tony Pollak | 951.789.5114

The Western Riverside County Regional Wastewater Authority (WRCRWA) owns and operates a joint agency treatment facility. AQUA, partnered with WEBB Associates, designed and assisted with construction services for this plant expansion from 8 MGD to 14 MGD. All plant components were addressed and improved as part of this upgrade. The plant's solids hauling requirement is reduced by about 90%.



### Spanish Fork Wastewater Treatment Facility

Reference: Dennis Sorenson |

Spanish Fork had a trickling filter treatment facility and the original trickling filter had a failure in the column, holding the distributor arm. In addition, the city received a new permit with an ammonia limit. STM Aerotors, new clarifiers, and a new digester were created to fix the failures and address the new requirements.



### Colorado River Resort Water Treatment Facility

Reference: Julie Smith | 801.368.9552

AQUA was hired to design a water treatment plant for a new Marriott hotel to be constructed near Moab. The plant has a floating intake system that pumps water from the Colorado River to the treatment facility. The treatment facility includes a Super Settler from Westech which is a small inclined plate clarifier. The clarified water is then treated through a microfiltration skid. The treated water enters a new 260,000 gallon water reservoir. A pumping system was designed to feed the water to the new motel. In addition a fire suppression pump was installed to address fire suppression. A building for