Bureau of Reclamation -- Yuma Area Office

Reclamation's Mission
To manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Desalting Team Values
We believe that developing and refining advanced water treatment technologies and processes to create more water for use in the West and around the world is one of the most important tasks we can take on. We relish the challenge and approach it with enthusiasm. We value curiosity, accuracy, diligence, and achievement.

We are a close-knit,straight-speaking team dedicated to achieving our goals, and committed to creating more water through better technology.

Developing & Managing Water Research, Analytical Lab

Chemical Engineer GS-12/13

Major Duties

Coordinate Advanced Water Treatment Research and YAO Analytical Laboratory Activities - oversees activities of the Bureau of Reclamation's Water Quality Improvement Center and the YAO Analytical Lab. Coordinates the Center's research program, to find ways to cut the cost of operating and maintaining the Yuma Desalting Plant. Research consists of both in-house activities and partnered activities with third-parties, to accomplish technology transfer. The Analytical Lab supports research, provision of service water to the Yuma Area Office, and delivery of Colorado River water to water users in the U.S. and Mexico.

Water Treatment Research - serves as principal investigator on water treatment research projects. Identifies problems to be investigated, formulates test plan, conducts research, and evaluates success of effort.

The Best Fit

Have these traits? You could be a good fit.

* Able to see the potential for program growth, identify steps to take to accomplish growth goals, and take action.
* Like interesting, complex technical problems that regularly require creative solutions.
* Able to negotiate agreements to meet the needs of the group and accomplish program goals.
* Willing to challenge the professional status quo, and able to withstand having your status quo challenged?
* Like working with a team, while still being driven by the need to accomplish individual results.
* Understand and can rise to the challenges of working in a government agency.
* Want to serve the public by solving water problems that affect people's quality of life.

YAO - Delivering Water to AZ, CA, NV

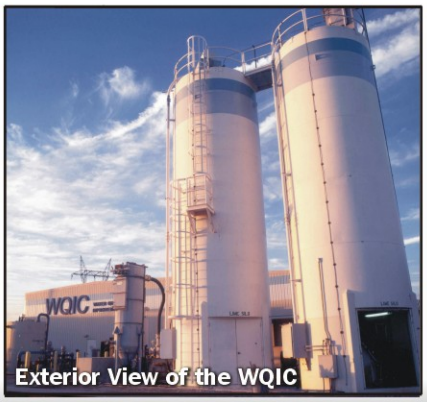
YAO is located in Yuma, AZ, in the southwest corner of Arizona. We deliver Colorado River water to 20+ million people in Nevada, Arizona, California, and the Republic of Mexico.

Making those deliveries entails maintaining the Yuma Desalting Plant so it can be operated when needed. The plant recycles brackish agricultural flows to help the U.S. meet its delivery requirements to Mexico .

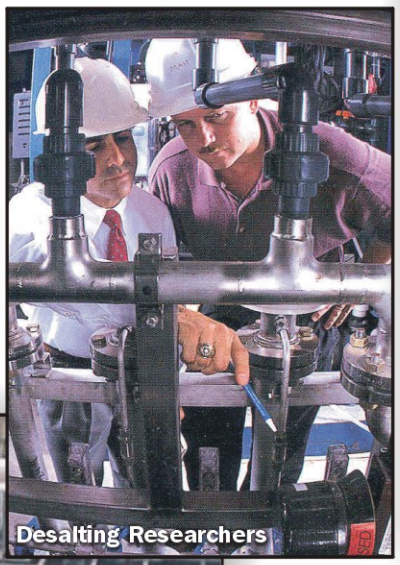
YAO also conducts an advanced water treatment research program at the Water Quality Improvement Center. The Center is Reclamation's premier water research facility and houses state of the art bench- and pilot-scale testing equipment.

Supporting the YDP, WQIC, and YAO work is the YAO Analytical Laboratory - which conducts analyses to support research, provision of service water to YAO, and delivery of Colorado River water to our users.

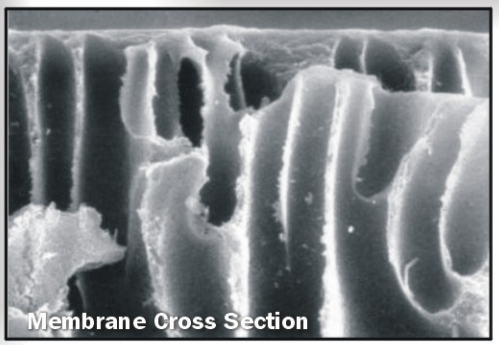
Yuma is a community of about 70,000 people, with extremely hot summers and temperate, sunny winters. Year-round recreation abounds with river sports being popular in the summer, and golf in the winter. Yuma iscentrally located between Mexico, Los Angeles, San Diego, Las Vegas, and Phoenix.



Exterior View of the WQIC


Desalting Researchers

WQIC Research Area


Membrane Cross Section

Manage water resources. **Develop water resources.** **Protect water resources.**