

Water *for* a Desert City

The Latest News About Tucson Water's Clearwater Renewable Resource Facility

June 2000

The Clearwater Solution

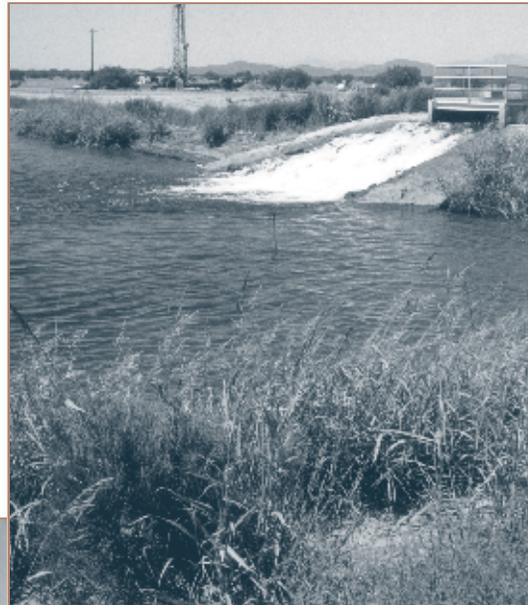
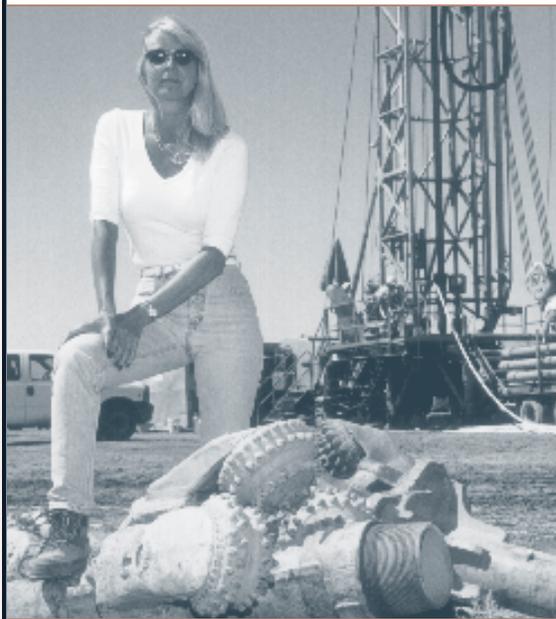
Clearwater Renewable Resource Facility is the name that has been given to Tucson Water's water storage and recovery project in Avra Valley. Formerly the Central Avra Valley Storage and Recovery Project (CAVSARP), the new name was chosen to better describe the entire project – from the recharge of Colorado River water to the delivery of blended water to Tucson Water customers. "Clearwater provides us with a truly renewable water resource," explains Steve Pageau, the utility's Planning and Engineering Administrator. "We don't face depletion problems with this water source like we do with our groundwater in the central City."

Tucson Water professionals and contractors are working quickly to complete Clearwater by early next year, so the water will be available to customers for the summer of 2001.

It Takes More Than Drilling to Complete A Well

The first phase of well drilling at the Clearwater Facility is nearly complete, according to Joe Huerstel, Tucson Water Project Manager for the nine wells in phase one. Now the wells need to be equipped to pump and deliver water.

Equipping a well takes about five months and includes adding pumping units, motors and



Above: Colorado River water pours into a recharge basin at the Clearwater Facility while, in the distance, drilling proceeds on a water recovery well. Left: Chris Abarr is the Tucson Water manager in charge of equipping the wells after drilling is complete.

electrical equipment that allows Tucson Water to monitor the well's operation and turn the well on and off as needed. Project Manager Chris Abarr says some of the wells will be equipped with natural gas powered motors, while those located to the east, closer to residential areas, will receive quieter electric motors. The equipping work on the wells is currently underway and is expected to be complete in December.

discharge piping to carry the water to the Clearwater reservoir. Flow meters are also installed to measure the amount of water being pumped. A small control building at each well site houses the

"Pre-Wet" System Operating Now Downing Dust

If you see water flying along the west side of San Joaquin Road and south of Bopp Road, that's not water waste. Ames Construction has installed a "pre-wet system" in this area to soak the ground ahead of its trenching equipment. This helps keep dust to a minimum when pipe installation reaches this area.

The water used in the "pre-wet system" is not drinking water. It is Colorado River water pumped directly from the Central Arizona Project reservoir and has not been treated to drinking water



Pre-wet system in operation.

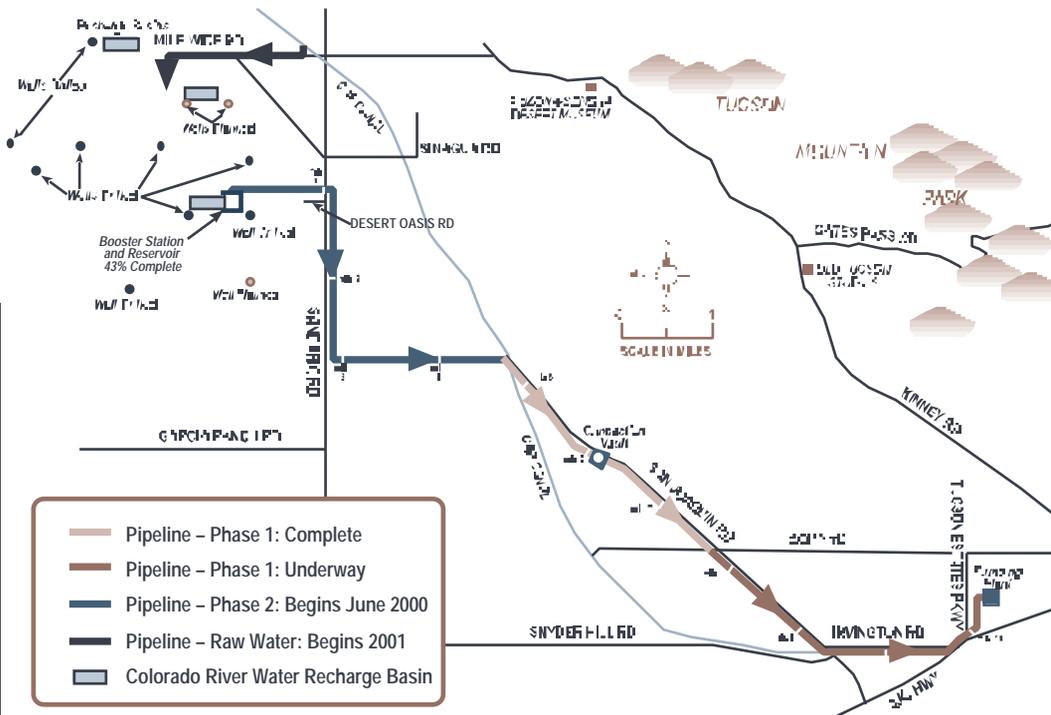
standards. Water trucks are also used to help hold down the dust.

Clearwater Pipeline - Phase 1 Construction Nears Bopp Road

This month Tucson Water engineers and Ames Construction expect the Clearwater pipeline installation to reach the intersection of Bopp Road and San Joaquin Road. The construction will not close the intersection, but motorists will be detoured around the construction. The detours will operate for approximately one week.

Tucson Water reminds residents and travelers in the area to

please watch for heavy equipment, be aware of signage, and maintain the posted speed limit in the construction zone. Flaggers will direct motorists through the area. Tucson Water thanks you for your patience and cooperation.



Clearwater Information Desk

If you have questions about the construction of the Clearwater Renewable Resource Facility in Avra Valley, please call the Project Hotline – 885-8010.

If you have questions about the new Tucson Water – the blend that will be naturally created at Clearwater, or if you would like to have your name added to the mailing list for this newsletter, please call Tucson Water’s Public Information Office – 791-4331.

It takes a team to Beat The Peak. For information about how you can conserve water and lower your water bill, call Tucson Water’s Water Conservation Office – 791-4556.

Phase Two Pipeline Construction to Begin

The second phase of construction of the Clearwater pipeline is scheduled to begin the last week of June. Tucson Water and Borderland Construction anticipate that construction will reach the Desert Oasis area in mid July. It is extremely important that parents and guardians remind children to avoid the construction area and to respect the dirt berms and safety flagging placed around the pipe trench at the end of each workday. Safety first!

Also, construction of the collector pipeline, which connects the new wells recently drilled at the Clearwater Facility, will get underway in late July. Look for more information about this in the next newsletter.



“The Future is Crystal Clear”

Water for a Desert City is produced by Tucson Water to keep our customers informed about this important water resource project. The City of Tucson TTY number is 791-2639; Tucson Water’s webpage address is <http://www.ci.tucson.az.us/water/>. Para recibir esta información en español, llame por favor, 791-4331.