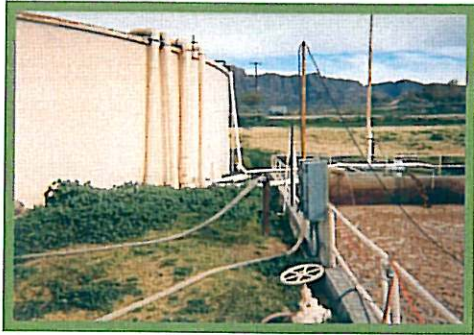


# TOWN OF SUPERIOR



**Project Size:**  
\$20,000  
**Project Service Dates:**  
November 2000 - April 2002  
**Project Location:**  
Superior, Arizona



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## Project Description:

- TDC assisted the Town of Superior with project conception and development of their existing wastewater reuse system. TDC prepared a water reuse plan which outlined the volume of treated effluent available for reuse, potential reuse sites, a reuse system conceptual design, an economic impact assessment of the reuse plan, and a regulatory assessment of the reuse plan.
- The reuse system conceptual design included optimizing the current reuse system as well as a proposed reuse system expansion. Optimization tasks included the installation of a storage tank and booster pump to provide for a reliable source of irrigation water. Optimization tasks also included bringing the current system into compliance with the current wastewater reuse permit. System expansion tasks included the installation of additional reuse water lines, storage tanks, and booster pumps.
- At the time of the assessment, the Town of Superior was discharging its unused treated effluent into nearby Queen Creek. Therefore, TDC also provided an assessment of the potential consequences to expanding the current reuse system, namely, 1) reducing or eliminating the current discharge of treated wastewater may be contrary to the Town of Superior's desire to restore the flow of Queen Creek, and 2) eliminating discharge may require an environmental assessment to change the existing NPDES permit.
- TDC's final report provided the Town with a guideline to optimum utilization of their wastewater treatment effluent resource.

