

TONTO APACHE TRIBE WWTP, PAYSON, AZ

CASE STUDY

In 2006 the Tonto Apache Tribe decided on the USBF™ wastewater treatment technology to treat the sewage from their residences as well as their expanded hotel, casino and convention center. Construction commenced later that year and the plant was quickly completed and commissioned in May 2007. Start-up was planned for later that month but due to other, plant unrelated issues this was delayed.



At the request of the owners, the plant was recently commissioned the second time and successfully started up by ECOfluid shortly after. Utilizing the flexibility and the turn-down abilities of the USBF™ process, the plant is currently processing an estimated initial flow of 12,000gpd (45m³/d) in one of the two bioreactor cells (40,000gpd ADWF each).

The plant itself is designed to be simple and straightforward to operate. It is provided with a SCADA system which allows remote plant monitoring and supervision. The state-of-the-art facility utilizes USBF™ technology, followed by microfiltration, sand filtration and UV disinfection, to produce Title 22 or Class A reclaimed water suitable for reuse. The facility, designed to treat 80,000gpd (300m³/d) of sewage, is complete with office and lab space and emergency power supply generator.



Notice the close proximity of the WWTP to the casino/hotel, attesting to the non-odorous nature of the USBF process

