

The New Randolph Park Wastewater Reclamation Facility

While the new Randolph Park WRF is located at the site of an existing plant, particular care and attention is being given to the design of the new facility to ensure that all environmental and aesthetic concerns are appropriately addressed.

Aesthetics

The new facility will be designed to blend in with the architectural treatment of the Tucson Police Department's Midtown Multi-Purpose Center, which will be located at the northwest corner of 22nd Street and Alvernon. For continuity, the same architect designing the Center is also designing the architectural features of the Randolph Park WRF.

Odor Treatment

A two-stage odor treatment process will be used to achieve effective odor control. Both treatment stages utilize proven technology and provide a very high level of efficiency when compared to single stage units. The two-stage process also ensures odor control is continuous during maintenance or repairs when one stage may be unavailable for short periods of time.

Noise Control

Because the facility is adjacent to residential neighborhoods and commercial developments, appropriate control measures for noise generating equipment such as pumps and blowers will be incorporated in the construction of the facility. Equipment will be installed in acoustically treated

buildings, below street level or surrounded by an acoustical enclosure or sound wall. Baseline noise measurements have been taken around the site to use as a basis for noise control measures.

Perimeter Screening

Landscaping around the perimeter of the facility will be used for perimeter screening of the facility. The same landscape architect will provide the design for both the Midtown Multi-Purpose Center and the Randolph Park WRF to maintain continuity of the two projects.

Lighting

While on-site safety needs must be addressed, automatic low-level unobtrusive lighting will be installed to maintain the aesthetic requirements of the facility and the comfort of area residents. Lighting will be of the same type proposed for use at the Midtown Multi-Purpose Center.

Health Concerns

The Randolph Park WRF is being designed to produce reclaimed water that is suitable for human contact, and which will be used on the adjacent golf course and park. The golf courses and park have used reclaimed water for over 20 years with no health concerns.

The main treatment process will be fully covered and provided with odor control.

In addition to the tanks being covered, the site will be fenced and locked to prevent unauthorized entry. The style and type of fencing at the site is also being coordinated with the Midtown Multi-Purpose Center.

Pima County Wastewater Management is committed to working closely with the neighbors to provide safe, reliable wastewater reclamation and to reduce the impact of our construction projects on the surrounding area.

If you have any questions about the Randolph Park WRF, please feel free to contact any of the following individuals:

Pima County Wastewater Management Department:

Frank Luiz, P.E., RLS 617-8213
Project Manager
fluiz@wmm.co.pima.az.us

Laura Fairbanks,
Community Relations 740-6532
lfairban@wmm.co.pima.az.us

Brown and Caldwell (Environmental Engineering and Consulting):

Michael Fleury, P.E. DEE,
Vice President 624-5744
mfleury@brwncald.com

Melodee Loyer, P.E.
Supervising Engineer 624-5744
mloyer@brwncald.com



Randolph Park WASTEWATER Reclamation Facility

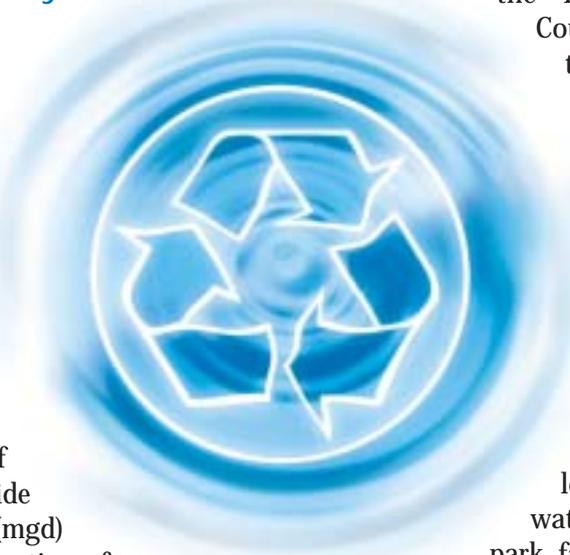


The Randolph Park Wastewater Reclamation Facility

Originally placed into operation in 1975, the Randolph Park Wastewater Reclamation Facility was temporarily removed from active service in 1995. As part of Pima County Wastewater Management's commitment to providing safe and efficient sewage treatment to our community, plans are currently underway to replace the Randolph Park facility with a new, modern system.

Serving the Community since 1975...

In 1975, a Wastewater Reclamation Facility (WRF) was put into operation at Randolph Park by the City of Tucson. Located at 3755 East 22nd Street, the City of Tucson transferred ownership of the facility to Pima County in 1979. Its purpose was to provide relief for sewer lines and to provide 1.0 million gallons a day (mgd) of effluent to be used for irrigation of grass at the Randolph Park Golf Course. The WRF did not process biosolids – or the small part of wastewater that's a byproduct of treatment – but discharged them to the adjacent public gravity sewage conveyance system for treatment at the Roger Road Wastewater Treatment Facility. In 1995, after operating for 20 years, the Randolph



Park WRF was temporarily removed from active service due to reconstruction of the golf course.

...And into the Future

In February 2000 Pima County's Wastewater Management Department began preparations for re-establishing the WRF following a formalized agreement between Pima County and the City of Tucson on a number of cooperative issues. Under the terms of this agreement, the Randolph Park WRF will provide reclaimed water to Reid Park and the Randolph Park Golf Course complex. In addition, it will produce reclaimed water that can be exchanged with, or "wheeled" through, Tucson Water's reclaimed water delivery system to other Pima County and Tucson Water locations for beneficial reuse. One of these locations is the storm water detention/wetlands park facility that is situated north of the Kino Sports Complex on East Ajo Road.

Because of its location within the City of Tucson, odor control is a top priority, as is the desire to have a facility that is unobtrusive and aesthetically compatible within the surrounding neighborhood. In order

to have a facility that is easy to operate, reliable and cost-effective, the old facility will be significantly modified using the best and most up-to-date treatment technology available. The new WRF will be designed to provide 3.0 mgd of reuse water and will be designed and constructed to be a good neighbor. While it will use proven wastewater treatment and reclamation processes, special attention will be given to the minimization of odors that may be associated with wastewater treatment and reclamation processes. In addition, no biosolids will be treated on site but will instead be returned to the sanitary sewer for conveyance to and treatment at the Roger Road Wastewater Treatment Facility.

For 20 years the Randolph Park WRF operated as a good neighbor, and we are committed to maintaining that standard of excellence. The design of the Randolph Park WRF is scheduled for completion in the Winter of 2001.

Construction will begin soon thereafter and is scheduled to be finished in September 2003. The project is being planned so as to ensure the least possible disturbance to area residents and those occasionally or periodically driving or walking by the Randolph Park WRF.

