

Reclaimed Water

Keeping Things Green Without Using Drinking Water

Water 101 continued from front

a water distribution system, separate from the drinking water system, which carries reclaimed water throughout the region to the system's major customers. Because it requires a completely different delivery system, expanding the reclaimed water system only makes economic sense when

we can bring large irrigation users online.

The concept of using different types of water treated to different standards for differing uses is one that we may see more of in the future in Tucson. It's a sensible approach to the efficient use of all our water resources.

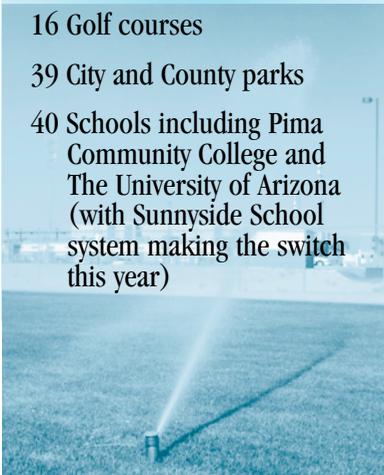
The Number of Irrigation Customers Keeps Growing

Tucson Water has delivered reclaimed water to our community since the 1980s. Currently, there are nearly 100 major customers in the Tucson Water service area using this type of water to keep grass green.

16 Golf courses

39 City and County parks

40 Schools including Pima Community College and The University of Arizona (with Sunnyside School system making the switch this year)



Your Water Connection

NEWS & TIPS FOR TUCSON WATER CUSTOMERS

Water 101

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You probably know that some of the best golfers in the world recently came to Tucson to play in the Match Play Championship. But did you know that the golf courses they played on were kept green with reclaimed water? Reclaimed water is used to irrigate many of the Tucson region's turf areas including golf courses, parks, and school playgrounds.

More than 20 years ago, as part of Tucson Water's commitment to water reliability for our region, the utility developed the concept of using reclaimed water to irrigate large turf areas. This water does not need to be treated to drinking water standards, needing only to meet state and federal regulations for irrigation.

Tucson Water makes this type of water at its Reclaimed Water plant, through a combination of recharge, recovery, and treatment. There is

Water 101 continued on back

Have a question for Water 101 or a suggestion for a topic? Call us at 791-4331 or e-mail to

TW_Web1@tucsonaz.gov

Conservation Corner – Workshops Set For June

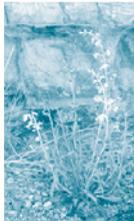
Learn More About Choosing Water\$mart Plants

Are you thinking about replacing plants in your yard? This is a good time for Spring planting. Many of our landscape plants suffered from the cold temperatures this past winter. As you consider buying new plants, choose native or desert-adapted, cold-hardy plants on your next trip to the nursery.

You might also want to join us for the June 2nd *Desert Landscaping* (9:00am-12:00pm) and *Harvesting Rainwater for Landscape Use* (1:00pm-3:00pm) workshops at the Golf Links Library to learn more about Water\$mart landscaping in Tucson. To register: Call Teri at **626-5161**. The workshops are offered by University of Arizona Pima County Cooperative Extension SmartScape Program and sponsored by Tucson Water.

Remember, there are hundreds of low-water use plants to choose from that vary in color, texture, form, and function. Before you go to the nursery, here are some things to consider:

- 💧 Do some research: Look through plant guides, visit gardens, talk to your neighbors to decide which plants you like.
- 💧 Is your planting area in full sun, part shade or full shade?



💧 How often do you want to water? Make sure the plants you choose fit with how much time you want to spend watering them.

💧 Do you want flowers, seasonal color, at what time of year? Consider plant litter, thorns, and allergies. Do you want to attract wildlife (hummingbirds, bees, butterflies)?

💧 How big do you want the plant to get? Check the mature plant size before you decide to make sure you are selecting the right plant for the right place.

💧 Group plants together with similar water needs so your landscape is easier to maintain and more water efficient.

Call Tucson Water at **791-4331** for a free copy of *Landscape Plants for the Arizona Desert: Guide to Growing more than 200 Low-Water Use Plants*.





On the Water Front

In April, Tucson's City Manager declared a Water Alert for the community,

implementing the first Stage of our Drought Preparedness and Response Plan. This declaration is based on both local and regional (Colorado River watershed) drought. It calls for additional voluntary water conservation by all Tucson Water customers and City of Tucson Departments. It also requires City Departments to conduct water-efficiency audits of their facilities.



As the predictions of long-term drought in the west continue, the next step in Tucson Water's commitment to water reliability for the region will begin taking shape this June when we break ground on the 2nd Phase of the Clearwater Renewable Resource Facility in Avra Valley. "Clearwater II" will allow us to recharge just about all of our remaining Colorado River water allotment. That's critically important to our drought preparedness – reducing the possibility of losing that water

allotment by federal mandate in case of deepening drought in the Colorado River watershed.

No matter what climate change our region sees during the next few years, you can count on Tucson Water to provide enough quality water for our customers. However, adjusting to this period of drought will require all of us working together to make sure we are using our water wisely. Water reliability is something we all must take seriously. It's another clear reminder that we live in a desert where water is the most precious of our natural resources.

Dave Modeer
Director, Tucson Water

Clearwater Quality Report- April 2007

59*	Sodium (mg/L)
341.0	Mineral Content (mg/L)
166*	Hardness (mg/L)
7.92	pH (S.U.)
Neg*	Coliform Bacteria
0.76	Chlorine level average (mg/L)
86.4	Temp (deg F)

Visit the Tucson Water Web site at www.tucsonaz.gov/water

Your Water Connection is produced by Tucson Water. To receive a copy, or to receive this information in Spanish, call 791-4331 or mail your request to: Tucson Water, Customer Information, P.O. Box 27210, Tucson, AZ 85726-7210.

City of Tucson TTY number: 791-2639

Si usted desea este documento escrito en español, por favor, llame al 791-4331.



* indicates report for March 2007

Groundwater Quality Report - March 2007

Water Quality Zone		1	2	3	4	5	6	7	8	9	10	System Wide
Sodium (mg/L)*	Average	54	56	54	49	53	49	36	50	49	51	50
86 SAMPLING POINTS	Range	42-78	51-57	35-67	27-60	40-59	33-57	28-54	41-59	40-55	43-57	27-78
Mineral Content (mg/l)*	Average	390	379	381	293	354	340	265	404	399	270	348
246 SAMPLING POINTS	Range	191-534	354-404	209-511	181-436	263-392	233-388	180-374	355-500	206-585	205-384	180-585
Hardness (mg/L)**	Average	164	163	179	151	152	143	117	219	230	128	165
86 SAMPLING POINTS	Range	76-239	156-174	122-217	75-236	135-167	110-162	75-155	167-274	77-371	69-164	69-371
pH (S.U.)	Average	7.7	8.0	7.9	7.8	7.9	7.9	7.8	7.7	7.6	7.9	7.8
246 SAMPLING POINTS	Range	7.3-8.1	7.8-8.1	7.3-8.0	7.4-8.1	7.1-8.1	7.8-8.1	7.6-8.1	7.4-7.9	7.3-7.9	7.7-8.0	7.1-8.1
Temperature (deg F)	Average	74	77	75	78	77	76	75	75	77	77	76
246 SAMPLING POINTS	Range	70-77	70-82	70-82	73-83	68-84	69-82	62-79	64-83	71-83	69-83	62-84

Coliform Bacteria Testing Results - March 2007

Groundwater Quality Report

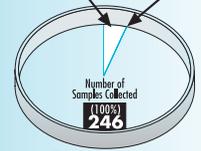


EPA Standard for Positive Samples

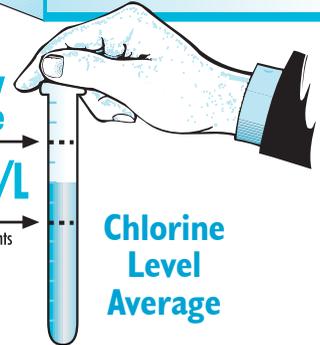
5%

Number of Positive Samples for Total Coliform

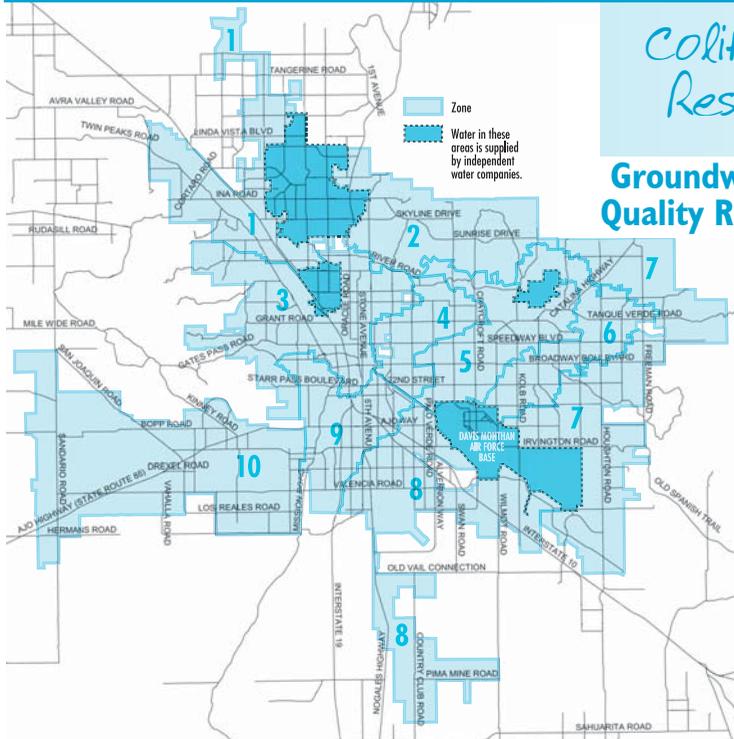
0.0%



Monthly Average
0.8 mg/L
246 Sample Points



Chlorine Level Average



* mg/L means milligrams per liter; 1 mg/L = 1 teaspoon in 1,302 gallons

** 17.1 milligrams per liter (mg/L) = 1 grain per gallon; Therefore, the system-wide hardness average as reported for March 2007: 165 mg/L divided by 17.1 = 9.65 grains per gallon.

To give you a more accurate measurement of the water quality in your neighborhood, the Tucson Water service area has been divided into 10 zones based on differences in water pressure and water quality. For a detailed description of the zone boundaries, call 791-4331.

With the exception of chlorine and coliform bacteria, none of the water quality parameters reported here have U.S. Environmental Protection Agency primary standards set for them. For more information about primary and secondary water quality standards, visit Tucson Water's Web site at www.tucsonaz.gov/water.