



ARIZONA

AMERICAN WATER

# Sun City

## Typical Water Quality Information

**PWSID Number:** 04-07-099

**Area Served:** Sun City, Arizona – Borders Peoria to the North and East and bordered by Sun City West and Surprise to the West and Youngtown to the South.

### Where Does My Water Come From?

Groundwater-- Water in the Sun City system comes from wells that pump groundwater from aquifers here in the West Salt River Valley (WSRV) Sub-Basin. The WSRV Sub-Basin is a broad, gently sloping alluvial plain that is bounded on the north by the Hieroglyphic Mountains and Hedgpeth Hills and on the west by the White Tank Mountains. Along the eastern boundary of the WSRV Sub-Basin are the Union Hills, Phoenix Mountains, and Papago Buttes, South Mountains, Estrella Mountains, and Buckeye Hills which define the southern limits of the SWRV Sub-Basin.

The water supply is distributed for residential and commercial use

### Average amount of water supplied to customers on a daily basis

13,123,000 gallons per day

Parameter	Average or Range	Comments
pH	7.6-7.9	A measurement of water acidity, 7.0 is neutral
Total Hardness (as CaCO <sub>3</sub> )	110-262 mg/L	No MCL - Naturally occurring
Total Hardness (as CaCO <sub>3</sub> )	6-15 grains/gallon	No MCL - Naturally occurring
Fluoride	ND-0.5 mg/L	Naturally occurring from erosion of natural deposits

<b>Parameter</b>	<b>Average or Range</b>	<b>Comments</b>
Sodium	25-56 mg/L	No MCL – Informational only
Iron	ND	Secondary Standard Limit = 0.3 mg/L
Type of disinfection	Chlorination	
Disinfectant residual level in the distribution system (average)	0.17-1.58 mg/L	Maximum Residual Disinfectant Level based on Running Annual Avg. < or = 4.0 mg/L
Lead [90 <sup>th</sup> percentile result]	0.002 mg/L	Action Level = 15 µg/L
Copper [90 <sup>th</sup> percentile result]	0.09 mg/L	Action Level = 1.3 mg/L
Nitrate as Nitrogen	1.1-7.6 mg/L	MCL = 10 mg/L
Arsenic	5-7 µg/L	MCL = 10 µg/L
Alkalinity as CaCO <sub>3</sub> , mg/L	105-155 mg/l	No MCL – Informational only
Sulfate, mg/L	20-32 mg/L	No MCL – Informational only
Total Dissolved Solids, mg/L	N/A	No MCL – Informational only

**Definitions**

- mg/L – milligrams per liter; one milligram per liter is equal to one part per million, which is approximately the same as 1 second in 11.5 days
- µg/L – micrograms per liter; one microgram per liter is equal to one part per billion, which is approximately the same as 1 second in 31.7 years
- N/A – not applicable
- ND – not detected
- MCL – Maximum Contaminant Level – the highest level of a contaminant allowed in drinking water under State and Federal regulations

For more information about water quality in your area, please contact  
**Bobbi Nissen at 623-780-3768**

Other inquiries should be directed to our  
**Customer Service Center at 1-800-383-0834**