



ARIZONA

AMERICAN WATER

Sun City West

Typical Water Quality Information

PWSID Number: 04-07-150

Area Served: Sun City West -- Northeast of Surprise, Southwest of Peoria

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

5,520,000 gallons per day

| Parameter | Average or Range | Comments |
|--|------------------------|--|
| pH | 7.6 | A measurement of water acidity, 7.0 is neutral |
| Total Hardness (as CaCO ₃) | 66-181 mg/L | No MCL - Naturally occurring |
| Total Hardness (as CaCO ₃) | 3.9-10.6 grains/gallon | No MCL - Naturally occurring |
| Fluoride | 0.8-1.7 mg/L | Naturally occurring from erosion of natural deposits |
| Sodium | 64-98 mg/L | No MCL – Informational only |

| Parameter | Average or Range | Comments |
|--|-------------------------|--|
| Iron | ND | Secondary Standard Limit = 0.3 mg/L |
| Type of disinfection | Chlorination | |
| Disinfectant residual level in the distribution system (average) | 0.10-1.78 mg/L | Maximum Residual Disinfectant Level based on Running Annual Avg. < or = 4.0 mg/L |
| Lead [90 th percentile result] | 0.001 mg/L | Action Level = 15 µg/L |
| Copper [90 th percentile result] | 0.16 mg/L | Action Level = 1.3 mg/L |
| Nitrate as Nitrogen | 2.9-4.4 mg/L | MCL = 10 mg/L |
| Arsenic | 3-5 µg/L | MCL = 10 µg/L |
| Alkalinity as CaCO ₃ , mg/L | N/A | No MCL – Informational only |
| Sulfate, mg/L | 48-64 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