



ARIZONA

AMERICAN WATER

Northeast Agua Fria

Typical Water Quality Information

PWSID Number: 04-07-531

Area Served: Northeast Agua Fria- Northeastern portion of Sun City West, Arizona

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

932,000 gallons per day

Parameter	Average or Range	Comments
pH	7.7	A measurement of water acidity, 7.0 is neutral
Total Hardness (as CaCO ₃)	198 mg/L	No MCL - Naturally occurring
Total Hardness (as CaCO ₃) grains/gallon	11.6 gpg	No MCL - Naturally occurring
Fluoride	0.24 mg/L	Naturally occurring from erosion of natural deposits
Sodium	42 mg/L	No MCL – Informational only

Parameter	Average or Range	Comments
Iron	N/A	Secondary Standard Limit = 0.3 mg/L
Type of disinfection	Chlorination	
Disinfectant residual level in the distribution system (average)	0.85	Maximum Residual Disinfectant Level based on Running Annual Avg. < or = 4.0 mg/L
Lead [90 th percentile result]	9	Action Level = 15 µg/L
Copper [90 th percentile result]	0.12	Action Level = 1.3 mg/L
Nitrate as Nitrogen	2.1	MCL = 10 mg/L
Arsenic	6.3	MCL = 10 µg/L
Alkalinity as CaCO ₃ , mg/L	N/A	No MCL – Informational only
Sulfate, mg/L	44	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 Kevin Figgins at (623)780-3788

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