



Anthem

Typical Water Quality Information

PWSID Number: 04-07-504

Area Served: Anthem, Arizona on both sides of the east and west of the I-17 Freeway.

Where Does My Water Come From?

Water in the Anthem system comes from several sources. The water that Arizona American Water provides Anthem comes from the Central Arizona Project (CAP), two wells and the City of Phoenix.

The majority of Anthem's water is delivered via an eight mile long pipeline from the CAP canal downstream of Lake Pleasant. The water is a mix of Colorado River and Lake Pleasant waters. Lake Pleasant also receives water from the Agua Fria River.

The two wells, at times, supplies ground water to Anthem from the Northern Salt River Valley aquifer.

The interconnect with the City of Phoenix is supplied by the Union Hills Water Treatment Plant and /or the Lake Pleasant Water Treatment Plant which also receives and treats water from the CAP canal.

The water supply is distributed for residential and commercial use

Average amount of water supplied to customers on a daily basis

4.38 million gallons per day

| Parameter | Average or Range | Comments |
|--|---------------------|--|
| pH | 7.2-8.4 pH Units | A measurement of water acidity, 7.0 is neutral |
| Total Hardness (as CaCO ₃) | 205-256mg/L | No MCL - Naturally occurring |
| Total Hardness (as CaCO ₃) | 12-15 grains/gallon | No MCL - Naturally occurring |

| Parameter | Average or Range | Comments |
|--|-------------------------|--|
| Fluoride | 0.2-0.4 mg/L | Naturally occurring from erosion of natural deposits |
| Sodium | 21.4-100.4 mg/L | No MCL – Informational only |
| Iron | 0.01 mg/l | Secondary Standard Limit = 0.3 mg/L |
| Type of disinfection | Chlorination | |
| Disinfectant residual level in the distribution system (average) | 0.03-1.24 mg/L | Maximum Residual Disinfectant Level based on Running Annual Avg. < or = 4.0 mg/L |
| Lead [90 th percentile result] | 2 µg/L | Action Level = 15 µg/L |
| Copper [90 th percentile result] | 0.764 mg/L | Action Level = 1.3 mg/L |
| Nitrate as Nitrogen | 0.30-2.13 mg/L | MCL = 10 mg/L |
| Arsenic | 2-3 µg/L | MCL = 10 µg/L |
| Alkalinity as CaCO ₃ , mg/L | 120 mg/l | No MCL – Informational only |
| Sulfate, mg/L | 23.8-252.5 mg/L | No MCL – Informational only |
| Total Dissolved Solids, mg/L | 650 mg/L | 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
Larry Berry at 623-445-2423

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