

WATER UTILITY OF GREATER TONOPAH - W. Phoenix Estates (WPE) #6 System

2016 WATER QUALITY REPORT

This report contains information about the drinking water our utility provides to your home. Please take a moment to review this information and call us if you have any questions about our water service to you.

Water Utility of Greater Tonopah - A subsidiary of Global Water Resources 866-940-1102

Spanish (Español): Este informe contiene información muy importante sobre la calidad de su agua para beber. Tradúscalo o hable con alguien que lo entienda bien.

General information about drinking water

To ensure your tap water is safe to drink, the EPA issues regulations that limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Is my water safe?

The WPE #6 water system, public water system number AZ04-07-733, which is part of the Water Utility of Greater Tonopah, is dedicated to providing customers with water that meets all Federal and State drinking water standards. Extensive tests have been conducted on your water to ensure your tap water is safe to drink. Unless otherwise indicated, this report is a snapshot of last year's water quality. Included in this report are details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. We are committed to providing you with information because informed customers are our best allies.

In 2016, your drinking water met all State and Federal drinking water standards.

Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised individuals such as those with cancer undergoing chemotherapy, or who have undergone organ transplants, or those with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Center for Disease Control and Prevention (CDC) provides guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial organisms. This information is available from the Federal Safe Drinking Water Hotline (800-426-4791) and on the CDC website at www.cdc.gov.

Where does my water come from?

The WPE #6 system is served from a well located within its service area. The well is approximately 600 feet deep with a total production capacity of 20 gallons per minute (gpm).

Water from the well is treated for arsenic and fluoride, chlorinated for disinfection, and stored in two covered storage tanks with a total storage capacity of 24,000 gallons. Two booster pumps and hydro-pneumatic tanks maintain constant pressure throughout the distribution system.

How can I get involved ?

WPE #6 customers may get involved in their water system through such activities as well-head protection (activities around wells to prevent contamination of the ground water source that provides water to your community) and attendance at public meetings to ensure that the community's need for safe drinking water is considered in making decisions about land use.

Water resources throughout Arizona are under extreme pressure from development and drought and must be conserved to ensure adequate supplies for the future. Avoiding water waste, employing smart water-use practices and reducing consumption are key elements of life in the desert. All consumers can do their part to conserve water and to properly dispose of household chemicals. In addition, reporting unauthorized entry or access to the well sites or booster stations is a critical component to ensuring continued safety and security of our community water sources. Should you notice any unusual activity in or around wells or tank sites, please contact law enforcement officials by dialing 911.

Water quality data table

Unless otherwise indicated, the table below lists all of the contaminants that we detected in the drinking water during the 2016 calendar year. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Data older than 5 years is not reported per EPA requirements.

Substance	MCLG or MRDLG	MCL, TT or MRDL	Lowest Level	Highest	Running Annual Average	Compliance Achieved	Typical Source
Disinfectants & Disinfection By-Products							
Chlorine [as Cl ₂] (ppm)	4	4	0.8	2.3	1.7	Yes	Water additive used to control microbes
Haloacetic Acids [HAA5] (ppb)	NA	60	NA	8.8	NA	Yes	By-product of drinking water disinfection
Total Trihalomethanes [TTHMs] (ppb)	NA	80	NA	16	NA	Yes	By-product of drinking water disinfection
Inorganic Chemicals							
Arsenic (ppb) 2014 Data	0	10	ND	2.2	2.0	Yes	Erosion of natural deposits; runoff from glass and electronics production wastes
Barium (ppm) 2014 Data	2	2	NA	0.0026	NA	Yes	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chromium (ppb) 2014 Data	100	100	NA	ND	NA	Yes	Discharge from steel and pulp mills; erosion of natural deposits
Fluoride (ppm) 2014 Data	4	4	NA	0.9	NA	Yes	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (ppm) [measured as Nitrogen]	10	10	NA	0.47	NA	Yes	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits
Unregulated Substances							
Sodium (ppm) 2014 Data	NA	NA	NA	210	NA	Yes	Naturally occurring mineral
Volatile Organic Chemicals							
Total Xylenes (ppm)	10	10	NA	0.0023	NA	Yes	Discharge from petroleum and chemical factories
Microbial Organisms							
Total Coliform (positive samples/month)	0	1	NA	0	NA	Yes	Naturally present in the environment
Radionuclides							
Alpha Emitters (pCi/L) 2014 Data	0	15	NA	1.3	NA	Yes	Erosion of natural deposits
Lead and Copper		Action Level		Your Water		Compliance Achieved	Typical Source
Copper - action level at consumer taps (ppm) 2014 Data		90% of homes tested must have copper levels less than 1.3 ppm		90% of the homes tested had copper levels less than 0.28 ppm		Yes	Corrosion of household plumbing systems; erosion of natural deposits
Lead - action level at consumer taps (ppb) 2014 Data		90% of homes tested must have lead levels less than 15 ppb		90% of the homes tested had lead levels less than 5 ppb		Yes	Corrosion of household plumbing systems; erosion of natural deposits

Reporting Violation Disclosure: Global Water Resources delivered the 2015 Water Quality Reports to customers by the regulatory due date. Copies were received by the Arizona Department of Environmental Quality (ADEQ) after the due date. This resulted in the issuance of a reporting violation. Upon receipt of the copies by the ADEQ, the deficiency was returned to compliance.

Source water assessment, and its availability

In 2004 the Arizona Department of Environmental Quality (ADEQ) completed a Source Water Assessment for the well used by the WPE #6 system. The assessment reviewed the hydrogeologic conditions and adjacent land uses that may pose a potential risk to the water sources. These risks include, but are not limited to, gas stations, landfills, dry cleaners, agriculture, wastewater treatment plants, and mining activities. Once ADEQ identified the adjacent land uses, they were ranked as to their potential to affect the water sources. The results of the assessment were that the well had a **low risk** of contamination due to adjacent land use.

The water is currently protected by well construction and system operations and management. Residents can help protect the water by taking hazardous household chemicals to hazardous material collection days and limiting pesticide and fertilizer use. The complete assessment is available for inspection at ADEQ, 1110 W. Washington St., Phoenix, Arizona, between the hours of 8:00 a.m. and 5:00 p.m. Electronic copies are available from ADEQ. For more information, call ADEQ's Source Water Assessment and Protection Unit at 602-771-4597 or visit their website at www.azdeq.gov.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of these contaminants does not necessarily indicate that water poses a health risk. More information about these contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791).

Sources of drinking water (both tap water and bottled water) include rivers, lakes, reservoirs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and radioactive materials and can pick up contaminants resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include the following:

- Microbial organisms including viruses, bacteria or parasites (such as *Cryptosporidium* or *Giardia*), which may come from agricultural or livestock operations and wildlife;

- Inorganic chemicals such as salts and metals which can be naturally occurring or result from urban storm runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming;
- Pesticides and herbicides which may come from a variety of sources such as agriculture, stormwater runoff and residential uses;
- Organic chemicals including synthetic and volatile organic compounds, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff and septic tanks;
- Radioactive chemicals which occur naturally or result from oil and gas production and mining activities.

Additional information about arsenic

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

Additional information about nitrate

Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

Additional information about lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Water Utility of Greater Tonopah is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/safewater/lead.

Did you know that you can receive a rebate just for conserving water?

- As a Global Water-Water Utility of Greater Tonopah customer, you are given the opportunity to receive a 50% rebate on the commodity charge when you use less than 7401 gallons monthly.
- Check your water meter and bill to track your water usage each month.

There are a number of ways to save water and they all start with you!

Outdoor Water Saving Tips

- Install covers on pools and spas and check for leaks around your pumps.
- Plant during the spring or fall when the water requirements are lower.
- Minimize evaporation by watering during the early morning hours, when temperatures are cooler and winds are lighter.
- Use a hose nozzle and turn off the water while you wash your car and save more than 100 gallons.

For over a hundred other ways to save water, visit: www.wateruseitwisely.com.



Unit descriptions

ppm:	parts per million; milligrams per liter (mg/L)
ppb:	parts per billion; micrograms per liter (ug/L)
pCi/L:	picocuries per liter (a measure of radioactivity)
Positive samples/month:	number of samples taken monthly that were found to be positive
NA:	not applicable
ND:	not detected

Important drinking water definitions

MCLG:	Maximum Contaminant Level Goal - The level of a contaminant in drinking water below which there is no known or expected risk to health.
MCL:	Maximum Contaminant Level - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
TT:	Treatment Technique - A required process intended to reduce the level of a contaminant in drinking water.
AL:	Action Level - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
MRDLG:	Maximum Residual Disinfectant Level Goal - The level of a drinking water disinfectant below which there is no known or expected risk to health.
MRDL:	Maximum Residual Disinfectant Level - The highest level of a disinfectant allowed in drinking water.

For more information please contact:

Water Utility of Greater Tonopah, WPE #6 PWS AZ04-07-733
Address: 21410 N. 19th Ave., Suite 220, Phoenix, AZ 85027
P: 866-940-1102 F: 520-568-6367 www.gwresources.com

