

The City of Eloy is pleased to present the 2018 Consumer Confidence Report on Water Quality (CCR). This report is developed to educate consumers about their drinking water source and quality.

**Important Information**  
**Información Importante**

*This report contains important information about your drinking water. Translate it, or speak with someone who understands it.*

*Este informe contiene información importante acerca de su agua potable. Traducirlo, o hablar con alguien que*

**QUESTIONS ABOUT YOUR WATER?**  
**CONTACT US FOR ANSWERS.**

Please call Public Works at (520) 466-3082 for any comments or questions. Thank you.

### Your Water Supply

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

**Our Sources are four (4) Ground Water Wells:** WL-55-591447-3, WL-55-605452-4, WL-55-605454-5, and WL-55-605455-6. Water is pumped from these wells directly into the distribution system.

### Water Quality

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. We monitor our water according to EPA's regulations. Food and Drug Administration regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

### Source Water Assessment

Based on the information currently available on the hydrogeological settings and the adjacent land uses that are in the specified proximity of the drinking water sources of this public water system, the Arizona Department of Environmental Quality (ADEQ) has given a high risk designation for the degree to which this public water system drinking water sources are protected. A designation of high risk indicates there may be additional source water protection measures which can be implemented on the local level. This does not imply that the source water is contaminated nor does it mean that contamination is imminent. Rather, it simply states that land use activities or hydrogeological conditions exist that make the source water susceptible to possible future contamination. Specific water quality data has not been included in this report; however, that information can be obtained from the Consumer Confidence Report that is compiled and distributed by your local water provider or municipality.

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### Federal and State Water Quality Regulations Issues in Water Quality that Could Affect Your Health

**Microbial contaminants** such as viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

**Inorganic contaminants** such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

**Pesticides and herbicides** that may come from a variety of sources, such as agriculture, urban storm water runoff, and residential uses.

**Organic chemical contaminants** including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and also may come from gas stations, urban storm water runoff, and septic systems.

**Radioactive contaminants** that can be naturally occurring or be the result of oil and gas production and mining activities.

#### 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. City of Eloy 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](http://www.epa.gov/safewater/lead).

#### 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 rainfalls or agricultural activity. If you are caring for an infant, and detected nitrate levels are above 5 ppm, you should ask advice from your health care provider.

#### Arsenic

If **arsenic** is less than or equal to the MCL, your drinking water meets EPA's standards. 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.

# Consumer Confidence Report 2018



## WATER QUALITY SUMMARY

CITY OF ELOY  
"Right in the heart of Arizona's future."  
Public Works Department

SERVING THE COMMUNITY SINCE 1949  Public Works  
1137 W. Houser Road  
Eloy, AZ 85131  
(520)466-3082  
[www.elyoz.gov](http://www.elyoz.gov)

**Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements.

**Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water.

**Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health.

**Million fibers per liter (MFL)**

**Maximum Residual Disinfectant Level (MRDL):** The level of disinfectant added for water treatment that may not be exceeded at the consumer's tap.

**Maximum Residual Disinfectant Level Goal (MRDLG):** The level of disinfectant added for treatment at which no known or anticipated adverse effect on health of persons would occur.

**Millirems per year (MREM):** A measure of radiation absorbed by the body.

**Not Applicable (NA):** Sampling was not completed by regulation or was not required.

**Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.

#### Units of Measurement:

**NTU = Nephelometric Turbidity Units:** A measure of water clarity.

**PCi/L = Picouries per liter:** picocuries per liter a measure of the radioactivity in water.

**PPB = Parts per billion:** or Micrograms per liter (µg/L).

**PPT = Parts per trillion** or Nanograms per liter.

**PPQ = Parts per quadrillion** or Picograms per liter.

**PPM = Parts per million:** or Milligrams per liter (mg/L).

Violation Type	Compliance Period	Corrective Actions Taken by PWS
Missed Monitoring Failed to take microbiological samples for hte month of November	Month of November	Water system returned to compliance December's samples were submitted
Late Submittal of 2017 CCR	July 01, 2017	Returned back to compliance when report was submitted on July 03, 2017
Late submittal MRDL report	3 <sup>rd</sup> Quarter 2018	Returned back to compliance when report was submitted on Oct. 23, 2018

In December of 2018, we became aware that we failed to collect the monthly microbiological sample per our Microbiological Sample Siting Plan (MSSP). Although, this incident was not an emergency, as our customers, you have a right to know what happened and what we are doing to correct this situation. Since then we have revised our standard operating procedures (SOP) for water sampling. We also set up electronic calendar reminders for operators, office staff and supervisor to insure that sampling dates are not missed.

#### Important Health Information

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people 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. For more information about contaminants and potential health effects, or to receive a copy of the U.S. Environmental Protection Agency (EPA) and the U.S. Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and microbiological contaminants call the EPA Safe Drinking Water Hotline at 1-800-426-4791.

Microbiological	Violation Y or N	Number of Samples Present OR Highest Level Detected	Absent (A) or Present (P)	MCL	MCLG	Sample Month & Year	Likely Source of Contamination
Total Coliform Bacteria (system takes ≥ 10 monthly samples)	N	NONE	A	0	0	Monthly 2018	Naturally present in environment
Fecal coliform and E. Coli	N	NONE	A	0	0	Monthly 2018	Human and animal fecal waste
<b>Disinfectants</b>		<b>Running Annual Average (RAA)</b>	<b>Range of All Samples (L-H)</b>				
Chlorine (ppm)	N	.92	0.82-1.01	MRDL= 4	MRDLG = 4	Quarterly 2018	Water additive used to control microbes
<b>Disinfection By-Products</b>		<b>Running Annual Average (RAA) OR Highest Level Detected</b>	<b>Range of All Samples (L-H)</b>				
Halo acetic Acids (ppb) (HAA5)	N	2.6	1.9 - 2.6 ppb	60	n/a	August 2018	By-product of drinking water disinfection
Total Trihalomethanes (ppb) (TTHM)	N	14	8.4 – 14 ppb	80	n/a	August 2018	By-product of drinking water disinfection
<b>Lead &amp; Copper</b>		<b>90<sup>th</sup> Percentile</b>	<b>Number of samples Exceed AL</b>	<b>AL</b>	<b>ALG</b>		
Copper (ppm)	N	0.037	0	1.3	1.3	August 2018	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb)	N	.9	0	15	0	August 2018	Corrosion of household plumbing systems; erosion of natural deposits
<b>Radionuclides</b>		<b>Running Annual Average (RAA) OR Highest Level Detected</b>	<b>Range of All Samples (L-H)</b>	<b>MCL</b>	<b>MCLG</b>		
Alpha emitters (this is Gross Alpha 4002)	N	4.5	3.9-4.5	15	0	March 2015	Erosion of natural deposits
<b>Inorganic Chemicals</b>		<b>Running Annual Average (RAA) OR highest Level Detected</b>	<b>Range of All Samples (L-H)</b>				
Arsenic (ppb)	N	4.2	3.6 -4.2	10	0	March 2018	Erosion of natural deposits, runoff from orchards, runoff from glass and electronics production wastes
Barium (ppm)	N	0.075	0.062 - 0.075	2	2	March 2018	Discharge of drilling wastes; discharge from metal refineries; Erosion of natural deposits
Nitrate (ppm)	N	9.0	8.7 – 9.0	10	10	March 2018	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural
Chromium (ppb)	N	1.8	1.6 – 1.8	100	100	March 2018	Discharge from steel and pulp mills; Erosion of natural deposits
Fluoride (ppm)	N	0.26	0.23 - 0.26	4	4	March 2018	Erosion of natural deposits: water additive which promotes strong teeth; discharge from fertilizer and aluminum fac
Selenium (ppb)	N	6.5	6.3 – 6.5	50	50	March 2018	Discharge from petroleum and metal refineries: erosion of natural deposits: discharge from mines
Sodium (ppm)	N	73	69 - 73	NS	NS	March 2018	Erosion of natural deposits