

# 2017 Consumer Confidence Report for Public Water System EL PASO COUNTY WCID #4 FABENS

This is your water quality report for January 1 to December 31, 2017

EL PASO COUNTY WCID 4 FABENS provides ground water from the following Lake/River/Reservoir/Aquifer: HUECO MESILLA BOLSON located at the County of El Paso, Texas

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al teléfono (915) 764-2212

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

- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

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. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water please contact the system's business office.

You may be more vulnerable than the general population to certain microbial contaminants, such as *Cryptosporidium*, in drinking water. Infants, some elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; persons who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders can be particularly at risk infections. You should seek advice about drinking water from your physician or health care providers. Additional guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* are available from the Safe Drinking Water Hotline at (800-426-4791).

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. We are responsible for providing high quality drinking water, but we cannot control the variety of materials used in plumbing components.

## Information about your Drinking Water

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.

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. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at (800) 426-4791.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which 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, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.



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

<http://www.epa.gov/safewater/lead>.

### Information about Source Water Assessments

TCEQ completed an assessment of your source Water and results indicate that some of our sources are susceptible to certain contaminants. The sampling requirements for your water system are based on this susceptibility and previous sample data. Any detection of these contaminants may be found in this Consumer Confident Report. For more information on source water assessments and protection efforts at our system, contact Martin Madrid @ (915) 764-221

### Source Water Name

2 – 991 WALKER AVE

991 WALKER AVE

TYPE OF WATER – GW

REPORT STATUS – ACTIVE

LOCATION – AQUIFER

3 – (GOLF COURSE) - 600 4<sup>TH</sup> NE

600 4<sup>TH</sup> NE

TYPE OF WATER – GW

REPORT STATUS – ACTIVE

LOCATION – AQUIFER

4 – 1220 NE CAMP ST

1220 NE CAMP ST

TYPE OF WATER – GW

REPORT STATUS – ACTIVE

LOCATION - AQUIFER

### Definitions and Abbreviations:

Definitions and Abbreviations The following tables contain scientific terms and measures, some of which may require explanation.

Action Level:	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which A water system must follow.
Action Level Goal (ALG):	The level of a contaminant in drinking Water below which there is no known or Expected risk to health. ALGs allow for a Margin of safety.

Avg:	Regulatory compliance with some MCLs are based on running annual average of monthly samples.
Maximum Contaminant Level or MCL:	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.
Level 1 Assessment:	A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our system.

Maximum Contaminant Level Goal or MCLG:	The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
Level 2 Assessment:	A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E.coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
Maximum Residual Disinfectant Level or MRDL:	The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
Maximum Residual Disinfectant Level goal or MRDLG:	The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
MFL	Million fibers per liter (a measure of asbestos)
na:	Not applicable.

mrem	Millirems per year (a measure of radiation absorbed by the body)
NTU	Nephelometric turbidity units (a measure of turbidity)
pCi/L	Picocuries per liter (a measure of radioactivity)
ppb:	Micrograms per liter or parts per billion – or one ounce in 7,350,000 gallons of water.
ppm:	Milligrams per liter or parts per million – or one ounce in 7,350 gallons of water.
Treatment Technique Or TT:	A required process intended to reduce the level of a contaminant in drinking water.
ppt	Parts per trillion, or nanograms per liter (ng/L)
ppq	Parts per quadrillion or pictograms per liter (pg/L)

## 2017 Regulated Contaminants Detected

### Lead and Copper

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90 <sup>th</sup> Percentile	#Sites Over All	Units	Violation	Likely Source of Contaminants
Copper	07/21/2016	1.3	1.3	0.21	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	07/21/2016	0	15	1.4	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

### Disinfectant Residual Table for El Paso County WCID #4

Disinfectant	Year	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Likely Source of Contamination
Gas Chlorine	2017	.97	.45	1.72	4	4	Mg/L	N	Water additive used to control microbes

### 2017 Water Quality Test Results

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely source of Contaminants
Haloacetic Acids (HAA5)*	2017	13	9.5 – 13.2	No goal for the total	60	ppb	N	By-product of drinking water disinfection.

Total Trihalomethanes (TTHM)*	2017	55	34.8 – 55.1	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
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\*The value in the Highest Level or Average Detected column is the highest average of all TTHM sample results collected at a location over a year

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Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic – While your drinking water meets EPA standards 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.	2017	6	5.3 – 6.1	0	10	ppb	N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium	2017	0.11	0.044 – 0.11	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Chromium	2017	2.2	2.1 – 2.2	100	100	ppb	N	Discharge from steel and pulp mills; Erosion of natural deposits.
Fluoride	2017	0.438	0.409 – 0.438	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate [measured as Nitrogen]	2017	0.118	0 – 0.118	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage. Erosion of natural deposits.
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	11/14/2016	1.5	1.5 – 1.5	0	5	pCi/L	N	Erosion of natural deposits.
Uranium	11/14/2016	1.1	1.1 – 1.1	0	30	ug/l	N	Erosion of natural deposits.