

Regulated Substances													
				Ft Bliss–Main Post		Biggs Army Airfield		El Paso Water Utilities		East Biggs Water System			
Substance (Unit of Measure)	Year Sampled	MCL [MRDL]	MCLG [MRDLG]	Amount Detected	Range Low-High	Amount Detected	Range Low-High	Amount Detected	Range Low-High	Amount Detected	Range Low-High	Violation	Typical Source
Alpha Emitters (pCi/L)	2015	15	0	3.0	0–3.0	3.0	0–3.0	10.3	0–10.3	ND	NA	No	Erosion of natural deposits
Antimony (ppb)	2014	6	6	ND	NA	ND	NA	0.41 ¹	0.04–0.41 ¹	ND	NA	No	Discharge from petroleum refineries; Fire retardants; Ceramics; Electronics; Solder
Arsenic (ppm)	2014	10	NA	5.3	2.8–5.3	5.5	0–5.5	12.0 ¹	0–12.0 ^{1,2}	ND	NA	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	2014	2	2	0.11	0.048–0.11	0.046	0–0.046	0.15 ¹	0.06–0.15 ¹	ND	NA	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Beta/Photon Emitters (pCi/L)	2014	50	0	8.5	0–8.5	8.5	0–8.5	17.7 ¹	0–17.7 ¹	ND	NA	No	Decay of natural and man-made deposits
Bromate (ppb)	2015	10	0	ND	NA	ND	NA	3.0	NA–3.0	ND	NA	No	By-product of drinking water disinfection
Chlorine (ppm)	2015	[4]	[4]	2.17	0.66–2.17	2.40	0.72–2.40	2.8	NA–2.8	2.2	0.2–2.2	No	Water additive used to control microbes
Chlorine Dioxide (ppb)	2015	[800]	[800]	ND	NA	ND	NA	500	NA–500	ND	NA	No	Water additive used to control microbes
Chlorite (ppm)	2015	1	0.8	ND	NA	ND	NA	0.399	NA–0.399	ND	NA	No	By-product of drinking water disinfection
Chromium (ppb)	2014	100	100	9.5	5.0–9.5	9.8	0–9.8	6.80 ¹	0–6.80 ¹	ND	NA	No	Discharge from steel and pulp mills; Erosion of natural deposits
Combined Radium (pCi/L)	2015	5	0	ND	NA	ND	NA	1.2	0–1.2	ND	NA	No	Erosion of natural deposits
Fluoride (ppm)	2014	4	4	1.03	0–1.03	1.03	0–1.03	0.91 ¹	0.12–0.91 ¹	ND	NA	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Haloacetic Acids [HAA]–Stage 1 (ppb)	2015	60	NA	2.8	0–2.8	ND	NA	34.8	0–34.8	19.5	0–19.5	No	By-product of drinking water disinfection
Nitrate (ppm)	2014	10	10	5.84	2.22–5.84	2.14 ¹	N/D–2.14 ¹	3.14 ¹	0–3.14 ¹	0.55 ¹	0–0.55 ¹	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium (ppb)	2014	50	50	0.004	0–0.004	0.004 ¹	0–0.004 ¹	6.3 ¹	0–6.3 ¹	ND	NA	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
TTHMs [Total Trihalomethanes]–Stage 1 (ppb)	2015	80	NA	6.2	0–6.2	ND	NA	82.3	0–82.3 ³	126	0–126 ⁴	No	By-product of drinking water disinfection
Thallium (ppb)	2015	2	0.5	ND	NA	ND	NA	ND	NA	ND	NA	No	Leaching from ore-processing sites; Discharge from electronics, glass, and drug factories
Total Coliform Bacteria (# positive samples)	2015	More than 1 positive monthly sample	0	ND	NA	ND	NA	0.3%	NA	ND	NA	No	Naturally present in the environment
Total Organic Carbon	2014	TT	NA	ND	NA	ND ¹	NA ¹	2.45 ¹	2.21–2.45 ¹	ND	NA	No	Naturally present in the environment
Turbidity ⁵ (NTU)	2015	TT	NA	ND	NA	ND	NA	0.21	NA	ND	NA	No	Soil runoff
Turbidity (Lowest monthly percent of samples meeting limit)	2015	TT	NA	ND	NA	ND	NA	100%	NA	ND	NA	No	Soil runoff
Tap water samples were collected for lead and copper analyses from sample sites throughout the community ⁶													
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Substance (Unit of Measure)	Year Sampled	AL	MCLG	Amount Detected (90th%tile)	Sites Above AL/ Total Sites	Amount Detected (90th%tile)	Sites Above AL/ Total Sites	Amount Detected (90th%tile)	Sites Above AL	Amount Detected (90th%tile)	Sites Above AL/Total Sites	Violation	Typical Source
Copper (ppm)	2014	1.3	1.3	0.0685	0/30	0.11	0/20	0.47 ¹	0 ¹	0.654	0/30	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead (ppb)	2014	15	0	1.1	0/30	ND ¹	0/20 ¹	2.2 ¹	0 ¹	3.14	0/30	No	Corrosion of household plumbing systems; Erosion of natural deposits

Secondary Substances									
			Ft Bliss–Main Post		Biggs Army Airfield				
Substance (Unit of Measure)	Year Sampled	SMCL	MCLG	Amount Detected	Range Low-High	Amount Detected	Range Low-High	Violation	Typical Source
Aluminum (ppb)	2014	200	NA	6.8	0–6.8	ND	NA	No	Erosion of natural deposits; Residual from some surface water treatment processes
Chloride (ppm)	NA	250	NA	ND	NA	48.3 ⁷	0–48.3 ⁷	No	Runoff/leaching from natural deposits
pH (Units)	2015	6.5-8.5	NA	8.4	6.8–8.4	8.2	7.8–8.2	No	Naturally occurring
Sulfate (ppm)	2014	250	NA	132	56–132	55.7	0–55.7	No	Runoff/leaching from natural deposits; Industrial wastes
Total Dissolved Solids [TDS] (ppm)	2015	1,000	NA	693	344–693	343	0–343	No	Runoff/leaching from natural deposits

Unregulated Substances ⁸								
		Ft Bliss–Main Post		Biggs Army Airfield		El Paso Water Utilities		
Substance (Unit of Measure)	Year Sampled	Amount Detected	Range Low-High	Amount Detected	Range Low-High	Amount Detected	Range Low-High	Typical Source
Bromodichloromethane (ppb)	2015	ND	NA	ND	NA	26.2	0–26.2	By-product of drinking water disinfection
Bromoform (ppb)	2015	3.37	0–3.37	ND	NA	29.3	0–29.3	By -product of drinking water disinfection
Chloroform (ppb)	2015	ND	NA	ND	NA	25.2	0–25.2	By-product of drinking water disinfection
Dibromochloromethane (ppb)	2015	2.43	0–2.43	ND	NA	30.3	0–30.3	By-product of drinking water disinfection
Sodium (ppm)	2014	96.6	84.2–96.6	85.5	85.5–85.5	ND	NA	Erosion of natural deposits;byproduct of oil field activity

¹ Sampled in 2015.

² One sample measured 12.0 ppb; the running annual average for that location was 5.9 ppb.

³ One sample measured 82.3 ppb, the running annual average for that location was 21.6 ppb.

⁴ One sample measured 126 ppb; the running annual average for that location was 31.7 ppb.

⁵ Turbidity is a measure of the cloudiness of the water. It is monitored because it is a good indicator of the effectiveness of the filtration system.

⁶ Lead and copper concentration shown are at the 90th percentile level at the customer’s tap first sample draw.

⁷ Sampled in 2014.

⁸ Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.

Sampling Results

Fort Bliss Water Services Company and El Paso Water Utilities routinely monitor for contaminants in your drinking water according to federal and state laws. These tables list all the drinking water contaminants that Fort Bliss Water Services Company or El Paso Water Utilities detected in the last round of sampling for the particular contaminant group. The presence of contaminants does not necessarily indicate that water poses a health risk. Unless otherwise noted, the data presented in this table are from testing done January 1 through December 31, 2015. The EPA or the state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old.

FBWSC participated in the 3rd stage of the EPA’s Unregulated Contaminant Monitoring Rule (UCMR3) program by performing additional tests of our drinking water. UCMR3 benefits the environment and public health by providing the EPA with data on the occurrence of contaminants suspected to be in drinking water to determine if EPA needs to introduce new regulatory standards to improve drinking water quality.

Definitions

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

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.

MCLG (Maximum Contaminant Level Goal): 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.

MRDL (Maximum Residual Disinfectant Level): 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.

MRDLG (Maximum Residual Disinfectant Level Goal): 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.

NA: Not applicable

N/D (Not detected): Indicates that the substance was not found by laboratory analysis.

NTU (Nephelometric Turbidity Units): Measurement of the clarity, or turbidity, of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

pCi/L (picocuries per liter): A measure of radioactivity.

ppb (parts per billion): One part substance per billion parts water (or micrograms per liter).

ppm (parts per million): One part substance per million parts water (or milligrams per liter).

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