

2017 WATER QUALITY REPORT

Water Quality Monitoring Results

WATER DISTRIBUTION SYSTEM—Bacteria & Disinfection Byproduct Test Results

Component	Test Date	Results	Units	MCLG	MCL	Met Drinking Water standards	Typical Sources
Total Coliform Bacteria	Monthly	ND	NA	0	*0	Yes	Coliforms are bacteria that are naturally present in the environment and are an indicator that other potentially harmful bacteria may be present
Total Fecal Coliform Bacteria	Monthly	NA	NA	0	^0	Yes	Human and animal fecal waste are potential sources for these bacteria
Total Trihalomethanes	8/10/17	44.5	Ppb	NA	80	Yes	Byproducts of drinking water chlorination.
Asbestos (2)	7/28/10	<0.13	mfl	7	7	Yes	Decay of asbestos cement water mains and/or erosion of natural deposits

RESIDENTIAL WATER SOURCES - Lead & Copper Test Results

Component	Test Date	Results	Units	MCLG	MCL	Met Drinking Water standards	Typical Sources
Lead (1) *	6/7/16	Avg.= 0.9 Range = 0.1-11 90th%=4.1	ppb	0	15	Yes, 90th percentile reading is compliant	Corrosion of household plumbing systems, erosion of natural deposits.
Copper (1)*	9/7/16	Avg. = 0.33 Range= 0.058-0.89 90th%=.84	ppb	1.3	1.3	Yes, 90th percentile reading is compliant	Corrosion of copper plumbing; erosion of natural deposits; leaching from wood preservatives. See additional information on lead and copper in your drinking water at the end of this report.

“IN TOWN” SOURCE WELL - Test Results

Component	Test Date	Results	Units	MCLG	MCL	Met Drinking Water standards	Typical Sources
Arsenic	9/27/16	8	ppb	NA	10	Yes	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium	9/26/16	ND	ppm	2	2	Yes	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Fluoride	9/27/16	.6	ppm	4	4	Yes	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer & aluminum factories.
Nitrate – N	9/30/16	ND	ppm	10	10	Yes	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.

FORT CASEY SOURCE WELLS - Post Treatment Test Results

Component	Test Date	Results	Units	MCLG	MCL	Met Drinking Water standards	Typical Sources
Arsenic	11/28/17	3	ppb	NA	10	Yes	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium	5/19/16	0.067	ppm	2	2	Yes	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Fluoride	5/19/16	<0.2	ppm	4	4	Yes	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer & aluminum factories.
Nitrate – N	3/27/17	1.7	ppm	10	10	Yes	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.

SECONDARY TESTING In Town

Fort Casey

Component	Test Date	Results	Test Date	Results	MCLG	Units	Typical Sources
Total Dissolved Solids (TDS)	10/19/17	580	10/19/17	420	500	ppm	Geologic; erosion of natural deposits.
Conductivity	8/30/16	1100	5/19/15	610	700	ppm	Erosion of natural deposits, or seawater.
Iron	8/30/16	0.03	11/16/17	ND	0.3	ppm	Erosion of natural deposits.
Manganese	8/30/16	0.12	11/16/17	ND	0.05	ppm	Erosion of natural deposits.
Chloride	8/28/17	64	8/28/17	25	250	ppm	Erosion of natural deposits, or seawater.
Sulfate	9/27/16	ND	10/19/17	22	250	ppm	Erosion of natural deposits.
Sodium	9/27/16	59	5/19/15	24	NA	ppm	Erosion of natural deposits, or seawater.

OTHER TESTING—not required or regulated

Component	Test Date	Results	Units	MCLG	MCL	Met Drinking Water standards	Typical Sources
Perfluorooctane Sulfonic Acid PFOS	10/19/17	ND	ppb	NA	0.07	Yes	Surfactant; Used in fire-fighting foam, alkaline cleaners, active ingredient in bait traps
Perfluorooctanoic Acid PFOA	10/19/17	0.0368	ppb	NA	0.07	Yes	Surfactant; Used in fire-fighting foam, cleaners, greases, cosmetics, paint, polishes, adhesives.

Radionuclides

Component	Test Date	Results	Units	MCLG	MCL	Met Drinking Water standards	Typical Sources
Gross Alpha (2)	11/4/15	1.8	pCi/L	NA	15	Yes	Erosion of natural deposits.
Radium 228 (2)	11/4/15	0.8	pCi/L	NA	5	Yes	Erosion of natural deposits.

TABLE FOOTNOTES

Residential Sources - Lead and Copper Results:

*See “Lead & Copper and Your Drinking Water”

(1) - Ten (10) representative samples taken through the system

* See MCL Definition

< See MCL Definition

(2) - Asbestos testing every 9 years. Radionuclides tests every 6 years.

SEE “EXPLANATION OF ABBREVIATIONS AND TERMS USED IN TABLE” FOR MORE INFORMATION