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The 1996 Amendments to the Safe Drinking Water Act require that all states conduct Source Water Assessments for public water systems within their boundaries.

The assessments consist of :

- (1) identification of the Drinking Water Protection Area, i.e., the area at the surface that is directly above that part of the aquifer that supplies groundwater to our well (s),
- (2) identification of potential sources of pollution within the Drinking Water Protection Area, and
- (3) determining the susceptibility or relative risk to the well water from those sources. The purpose of the assessment is to provide water systems with the information they need to develop a strategy to protect their drinking water resource if they choose. The respective Drinking Water Programs of the Departments of Human Services and Environmental Quality have completed the assessment for our system.

A copy of the report is on file at the water system's office.

Este informe contiene información muy importante sobre su agua beber. Tradúzcala ó hable con alguien que lo entienda bien.

Harbor Water District P.U.D.
P.O. Box 2437
Harbor, Or 97415

June 1, 2019



HARBOR WATER P.U.D.

CONSUMER CONFIDENCE REPORT

Water test results for July 2018 through June 2019

The Harbor Water People's Utility District is giving you this Consumer Confidence Report, which describes the quality of our drinking water. This annual report is required by the Federal Safe Drinking Water Act and is designed to let you know where your water comes from, what our tests show about it, and how safe your drinking water is. Harbor Water P.U.D. is pleased to tell you that the water provided by us has met all US Environmental Protection Agency (EPA) and Oregon Health Division (OHD) state drinking water health standards. This report is brought to you in accordance with EPA's 40 code of Federal Regulations, NPDWR Parts 141/142.

What if I have questions about my water? The Harbor Water People's Utility District board meets on the second Thursday of each month at 5:00 p.m., at the district office located at 98069 W. Benham Lane, Harbor, Oregon. You may call Harbor Water at (541) 469-3011, for information concerning Harbor Water P.U.D.

Where does our water come from? Our water is drawn from an infiltration gallery called a "Raney Collector" located along the Chetco River about 3 miles up South Bank Chetco Road. The Oregon Health Division classifies this source of water as a "Groundwater Source". Groundwater is considered the safest source for drinking water. Most raw water, including all surface water, must go through a treatment process before it is safe to drink. Our water is treated with chlorine to disinfect the water. The Harbor Water People's Utility District owns the property around the well and restricts activities that can contaminate it.

Why must you treat my water? Drinking water, including bottled water, may reasonably be expected to contain very small amounts of some contaminants. The presence of contaminants does not necessarily mean that water is posing a health risk. More information about contaminants and potential health effects can be obtained by calling EPA's Safe Drinking Water hotline at (800) 426-4791. Water from the infiltration gallery is pumped to our pump house where is checked for turbidity. That is a measure of cloudiness of water. Then chlorine is added to inactive microorganisms. This process is done so that viruses, bacteria, or other microorganisms will not be in your drinking water. The chlorine is

Are there contaminants in the Harbor Water PUD source? We are pleased to report that the Harbor Water People’s Utility District met and exceeded all federal water standards last year. The Oregon Health Division directs the District on testing and monitoring. Following are tests we do at Harbor Water PUD: **Bacteria**– 4 samples monthly- No detection.

Inorganic contaminants- We test every 9 years for 12 contaminants.

Synthetic and Volatile Organic contaminants- tested every 3 years for 83 contaminants.

Nitrates– 1 tests yearly. **Radiological** - One test every 9 years **Asbestos**– One test every 9 years.

Turbidity- Daily **Chlorine**- Daily- **Nitrites**– One test every 9 years. **Disinfection** by-products once a year.

Below are the detections that were found during testing:

Contaminant	Violation Y/N	Level detected	Unit measurement	MCL	MCLG	Likely Source of Contamination
Asbestos	No	ND@ 0.20 MFL	7	7	Decay of asbestos cement water mains; erosion of natural deposits	
Nitrate	No	.23			Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.	
Fluoride	No	.10 ppm	ppm	4	4	Erosion of natural deposits; discharge from fertilizer and aluminum factories.
Copper – 10 every 3 yrs	No	Avr. .925ppm	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; Homes exceeding AL += -0- Samples taken
Lead – 10 Samples taken every 3 yrs	No	Avr. .005 ppb		.015	AL= 15	Corrosion of household plumbing systems; Homes exceeding AL=-0-
*Arsenic	No	ND@		.005	ND@ .011	Arsenic is a naturally occurring substance.

Are there contaminants in the Harbor Water PUD source? We are pleased to report that Harbor Water PUD has met and exceeded all federal water standards last year. . Following are tests we do at Harbor Water PUD: **Bacteria**- 4 samples

* 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 the arsenic from the 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. Arsenic is tested every 9 years.

Table footnote: Only the listed substances were found. They are all below the MCL required. Harbor Water had received a violation for a late Source Assessment sample. This has been corrected and Harbor Water is now in compliance.

Important Definitions: In this table you may find terms and abbreviations that you are not familiar with. We have provided the following definitions:**MFL**– **Million Fibers/Liter** **MCL**- **Maximum Contaminant Level**=the highest level of a contaminant that is allowed in drinking water. **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. **AL**-**Action Level**=the concentration of a contaminant, which if exceeded, triggers treatment, or other requirements, which a water system must follow. **MCLs** are set as close to the **MCLGs** as feasible using the best available treatment technology. **ppm**- Parts per million or milligrams per liter(mg/l). **ppb**-parts per billion or micrograms per liter (ug/l).**ND**= none detected.

More Facts You Should Know About Water

Contaminants that may be present in raw or source water before it is treated are microbial contaminants, inorganic pesticides and herbicides, radioactive contaminants, and organic chemical contaminants. 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 agricultural and residential, use.

Radioactive contaminants, which are naturally occurring.

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

Concerning fluoride in your water.

Some people who drink water containing fluoride well in excess of the MCL over many years, could get bone disease, including pain and tenderness of the bones. Children could get mottled teeth. Fluoride is a natural substance found in many areas of the country, however, testing shows levels well below the MCL in our water. We do not add fluoride to the water.

Some people may be more vulnerable to contaminants in drinking water than others. Immuno-compromised persons such as people undergoing chemotherapy, or people who have organ transplants, people that have HIV/AIDS or other immune system disorders, some elderly people and some infants– can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on ways to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline (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. Harbor Water P.U.D. 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 <http://www.epa.gov/safewater/lead>.

This annual “Consumer Confidence Report” is required by the Safe Drinking Water Act (SDWA). It tells you where your water comes from, what our tests show about it, and other things you should know about your drinking water. This report was prepared by the employees of Harbor Water P.U.D. using technical assistance provided by the EPA Office of Water, and the Oregon Health Division. If you have any questions about this report, you can reach us at (541) 469-3011.