

2016 Annual Drinking Water Report

Your drinking water is brought to your home by **Pasadena Park Irrigation District #17**. PPID#17 is dedicated to making sure that every drop of water delivered to your tap is clean and safe for your family. Water District Board Meetings are held on the second Thursday of the month at 7:00pm at the district office. If you have questions please feel free to contact us. Pasadena Park Irrigation District #17

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Making sure that communication flow freely between the district and customers is very important to us. Keep yourself, and us, in the know and up to date with these tips:

If you haven't done so already, sign up to be notified whenever local emergencies arise. Visit www.ALERTSPOKANE.org to learn more and sign up.

Keep meter boxes and free of large vegetation to allow our readers better access and accurate reads every time.

Be sure to obtain a permit before using a fire hydrant for any use.

Your drinking water comes from the **Spokane Valley Rathdrum Prairie Aquifer** (see reverse for map). This pristine and abundant aquifer lies in two states, holds ten trillion gallons of water, and is the sole source of drinking water for almost half a million people in the region. This groundwater source is recharged by the local precipitation and the snow pack in northern Idaho and western Montana and is naturally filtered by surface vegetation and the layers of gravel above the water line. The aquifer travels through northern Idaho and into Washington where it discharges into the Spokane River and the Little Spokane River. The SVRP aquifer is unique because of its vast size, swift flow of water, porous soils and due to the fact that the land over the aquifer is extensively developed. These factors make our aquifer uniquely susceptible to contamination. Careful planning will be required in the coming years to ensure that this aquifer remains clean and available for our community. Preserving our water sources for the future is a priority for PPID#17. To find out more about how you can be an active partner in our efforts visit

www.spokaneaquifer.org/education-awareness/water-conservation/ or

www.ecy.wa.gov/programs/wr/ws/wtrcnsrv.html.

ENGLISH SPANISH

This report contains important information about your drinking water. Have someone translate it for you, or speak with someone who understands it.

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, o hable con alguien que lo entienda.

PPID#17 strives to be a **good steward** of the aquifer and your water system. Year round water quality monitoring, replacing aging or leaking pipes and pumps, and planning for growth are just some of the responsibilities of the district.

In order to ensure that your water is **clean and safe**, we test for contaminants all year long. The Department of Health and EPA prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) and the Washington Department of Agriculture regulations establish limits for contaminants in bottled water. **We are proud to report that your water meets or exceeds all state and federal regulations.** While some contaminants were found in the water, the Environmental Protection Agency has determined that your water is safe at these levels for you and your family. Keep in mind that the presence of contaminants doesn't mean the water is unsafe. MCLs are set at very stringent levels. A person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect. Health related standards are set by the Washington State Department of Health

In addition to monitoring the quality of the water, PPID#17 also works to make sure we are **using water efficiently**. We set water use efficiency goals for our system in 2008, updated them in 2015, and report our progress annually. **Goal:** Reduce water loss to less than 10% over a three year period.

Progress: We had a great year for leak detection and repair. Water loss was reduced from 18.6% to 10% in 2016. This was accomplished by changing out old meters and repairing leaking pipes throughout the system. We will keep working hard in 2017 to meet our three year goal.

Goal: Reduce customer demand by 3% by 2015.

Progress: The District has converted nearly all it's manual read meters to new radio read meters. These meters can be read more frequently which will help customers track monthly usage.

The best way to help with this goal is reducing your irrigation usage. Here are some easy tips to get you started:
+Only use sprinklers in the cool hours of the morning and evening.
+Install moisture sensors to make sure you are only water when the plants need it.
+Plant Native Plants and Drought Tolerant Species that need less water.

RUSSIAN VIETNAMESE

В этом сообщении содержится важная информация о воде, которую вы пьёте. Попросите кого-нибудь перевести для вас это сообщение или поговорите с человеком, который понимает его содержание.

Tài liệu này có tin tức quan trọng về nước uống của quý vị. Hãy nhờ người dịch cho quý vị, hoặc hỏi người nào hiểu tài liệu này.

SOURCE WATER TESTING (sample taken at the well)

CONTAMINANT	UNITS	MCLG	MCL	HIGHEST DETECTION	POSSIBLE SOURCE
Nitrate	mg/L	10	10	3.66	Runoff from fertilizer use; leaching from septic tanks, sewage, erosion of natural deposits
Radium 228	pCi/L	0	50	0.237	Erosion of Natural Deposits
Gross Alpha	pCi/L	0	15	2.08	Erosion of Natural Deposits
Synthetic Organic Chemicals (2015)	ppb	Varies by Chemical	Varies by Chemical	ND	Varies by Chemical
Volatile Organic Chemicals (2015)	ppb	Varies by Chemical	Varies by Chemical	ND	Varies by Chemical

DISTRIBUTION SYSTEM TESTING (sample taken at the tap)

CONTAMINANT	UNITS	MCLG	AL	90th PERCENTILE	POSSIBLE SOURCE
Lead (2014)	ppb	0	15	3.1	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
Copper (2014)	ppb	1300	1300	71	

CONTAMINANT	UNITS	MCLG	MCL	HIGHEST DETECTION	POSSIBLE SOURCE
Total Trihalomethanes	ppb	0	80	0.59	By-product of Chlorination
HaloAcetic Acids	ppb	0	60	ND	By-product of Chlorination
E.coli Bacteria		0	A routine sample and a repeat sample are total coliform positive, and one is also E. coli positive		Human and Animal Fecal Waste

RADON Radon is a naturally occurring radioactive gas that is common in the Spokane area. Exposure to excessive amounts of radon may increase cancer risk. Your drinking water, in most cases is a very small source of radon in indoor air. For local assistance concerning radon in your home, contact the Spokane County Health District at (509) 324-1560 ext. 5

LEAD In Washington State, lead in drinking water comes primarily from materials and components used in household plumbing. The more time water has been sitting in pipes, the more dissolved metals, such as lead, it may contain. Elevated levels of lead can cause serious health problems, especially in pregnant women and young children. To help reduce potential exposure to lead: for any drinking water tap that has not been used for 6 hours or more, flush water through the tap until the water is noticeably colder before using for drinking or cooking. You can use the flushed water for watering plants, washing dishes, or general cleaning. Only use water from the cold-water tap for drinking, cooking, and especially for making baby formula. Hot water is likely to contain higher levels of lead. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water is available from EPA's Safe Drinking Water Hotline at 1-800-426-4791 or online at <http://www.epa.gov/safewater/lead>.

ABBREVIATIONS:

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 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.
ND - Not Detected
NA - Not Applicable
pCi/L - Pico Curies per Liter - a unit of radioactivity
90th Percentile - 90% of at risk homes had this concentration or less of lead/copper.
ppb - parts per billion or micrograms per liter. About 1 drop in one of the largest tanker trucks used to haul gasoline would represent 1 ppb.
ppm - parts per million or milligrams per liter. About 4 drops in a 55 gallon barrel would represent 1 ppm.