

1 APRIL 2012

PARADISE ESTATES

Water Quality and Water Use Efficiency Report For Calendar Year 2011

COPIES ALSO AVAILABLE AT THE OFFICE AND ON THE
PCC WEB SITE:

www.paradisec.org

NEW PARADISE WATER SYSTEM ON LINE OCTOBER
2004

1 April 2012

**PARADISE COMMUNITY CLUB, INC.
PARADISE ESTATES WATER DEPARTMENT**

CONSUMER CONFIDENCE AND DRINKING WATER QUALITY REPORT AND THE WATER USE EFFICIENCY REPORT FOR THE CALANDER YEAR 2011.

Is my drinking water safe?

Last year, as in years past, your water met all U.S. Environmental Protection Agency (EPA) and State drinking water health standards. Our PCC Water Department vigilantly safeguards our water supplies and once again we are proud to report that our system has not violated a Maximum Contaminant Level or any other water quality standard.

Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorder, some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Center for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Hotline (800-426-4791)

Where does our water come from?

Paradise Community receives their water from the Nisqually Aquifer and three wells located on Stevens Road, Paradise Drive and Osborn Road within Paradise Estates. This enables us to provide approximately 750 people with reliable and safe drinking water.

Our water supply here in Paradise Estates is regularly tested for more than 100 different substances. In 2011, overall drinking water quality here in Paradise Estates was excellent, and our water supply currently meets or exceeds all State and Federal EPA drinking water standards.

Why are there contaminants in my drinking water?

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 Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791)

How to Get Involved?

If you have any questions about this report or concerning your water quality, please contact the PCC Office at (360) 569-2669, Monday, Wednesday, or Friday between 1:00PM -5:00PM.. A copy of this report is posted at the PCC office and on the PCC website. www.paradisec.org

We want our valued Association Members to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled Board Meetings. They are held on the second Sunday of every other month at the New Paradise Estates Office on Nisqually Way. The PCC Board meeting starts at 1:00 PM and all Association Members are invited to attend.

Conservation

Our water is a precious resource. We all can do small thing to use it well and keep it clean.

Fix drips and leaking toilets.

Use low flow options, especially for toilets and shower heads.

Turn off the water while you brush your teeth and shave.

Install a private shut off near your home to turn off water when you are away.

If you do not have a private shut off valve, turn off the water at the meter when you leave.

For more ideas see our 110 ways to conserve water on our web site - www.paradisec.org

Common Problems

Sometimes my water smells. Why is that?

See *Water Fact Sheet on our web site* - www.paradisec.org

My water is cloudy sometimes, but then clears up. Can I drink it?

The “cloudiness” is air trapped in the water in tiny bubbles. These harmless bubbles enter the water when air is drawn into the water transmission system that carries water from the wells. This is usually temporary and the water clears in a short time.

My water is dirty sometimes. What should I do?

Once in a while, you may experience muddy-brown or cloudy water. This can occur when a stand pipe is in use, when a main breaks or when flow patterns in the water main change. The source of the dirty water is harmless particles. Typically, these harmless particles settle along the bottom of water mains and do not show up in your home. Paradise Estates Water Department flushes water mains periodically to remove these harmless silt particles. If you experience dirty water, refrain from using any water for 30 minutes to an hour. The problem will usually correct itself.

How can I disinfect water in an emergency?

There are two general ways to disinfect water in an emergency. One is to boil it for 3 minutes.

The other is to add household bleach:

Clear water: add 10 drops (about one-eighth teaspoon) per gallon of water and let it stand for 30 minutes.

Your drinking water meets or exceeds all federal and state requirements. The EPA has determined that your water is safe. If you have any questions concerning this report, your water quality, or just want information, please contact the PCC business office.

In the **testing results** on the last page of this report, you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we have provided the following

definitions;

Non-Detects (ND) Laboratory analysis indicates that the constituent is not present.

Parts per million (ppm) or Milligrams per liter (mg/l) One part per million corresponds to one minute in two years or a single penny in \$10,000.00.

Parts per billion (ppb) or Micrograms per liter One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.00

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

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

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.

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.

Water Use Efficiency Report: In a public forum on 15 May, 2011, Paradise Estates voted on and selected a consumer goal to reduce system water loss from consumer side leaks by 10% by 2015 and reduce system operational usage by 5% by 2015. In 2011 we pumped 711,197 cubic feet of water, sold 569,408 cubic feet of water and used 97,037 cubic feet of water during operations and lost 98,292 cubic feet or 13.8% to consumer side leaks. Total water not accounted for was 44,752 cubic feet or 6.2%, well within the States required level of 10% or less.

Our Water Department Manager Alvie Whitlock has received his State certification and License renewal for 2012, for Water Distribution Manager - Level 2 (WDM2) and Cross Connection Control Specialist. Also, we are pleased to announce Jean Roy and Maria Niesen are now Certified Washington State Water Systems Operators as well. Alvie, Jean and Maria work hard to maintain and improve the quality and service provided to our community. We at the Water Department would like to thank all of the board members, our dedicated staff, and the many community volunteers who help with maintenance, billing and other vital tasks to keep our cost down and our quality up. **For the seventh year in a row there has been no increase in water charges or annual dues.** We at the Water Department, wish to thank you, the Community for your support throughout this past year.

At a recent water testing class, the department of Health stated they expect it will cost the average family \$260.00 a month for water in just a few years. This will be due to the increase in required State and Federal testing, the increasing cost of testing. Add in the cost of sewer and storm drain systems to water bills and the increase of State fees. It was said we do not sell water. Water is free. We pay for the service of having water delivered to our water tap and knowing our water is safe for us and our families to drink and will not make us sick or die when we drink it.

	Last Year	MCL	Detected	Violation Sources	Typical	Type
Regulated Substances						
Arsenic (ppb)	2010	0.01	0.007	NO	Erosion of natural deposits	2
Copper (5 samples every three years)	2011	99% level	0.02	NO	Old plumbing / Erosion of natural deposits	
Haloacetic Acids	2011	0.060	0.023	NO	By-product of drinking water chlorination	
Lead (5 samples every three years)	2011	99% level	0.002	NO	Old plumbing/erosion	
Nitrate	2011	10	<0.2	NO	Runoff from fertilizer	
Total Trihalomethanes	2011	0.080	0.025	NO	By-product of drinking water chlorination	
Total Coliform Bacteria	2011	5% per month	none	NO	Naturally present in the environment	

Note: 12 Total Coliform samples were collected in 2011; all were negative for the presence of Total Coliform.

Secondary Substances

If above MCL, these may cause unpleasant effects- such as color, taste, odor - rather than adverse health effects.

Chloride (ppm)	2011	250	25	NO	Run off / leaching of natural deposits
Iron (ppb)	2011	0.3	0.1	NO	Leaching of natural deposits
Manganese (ppb)	2011	0.05	0.01	NO	Leaching of natural deposits
Sulfate (ppm)	2011	250	1	NO	Leaching of natural deposits

Our water was also tested for Gross Alpha, Radium 228, Gross Beta, Radium 226, and Radon 222; the level of detection for these contaminants was Zero. (None detected)