

RUSTLEWOOD ID75027 N WATER SYSTEM CONSUMER CONFIDENCE REPORT 2014

June 2015

WATER SYSTEM MANAGER'S STATEMENT

The Consumer Confidence Rule is a federal requirement created by Congress and the Environmental Protection Agency. As a result, the Mason County Department of Utilities and Waste Management is required to provide customers of the Rustlewood Water System with this report. Herein, we will provide you with information on the results of our compliance and water quality testing, the health effects of any contaminants found during this monitoring, and who to call in case of emergencies, loss of water service, water leaks, and billing questions. We are reporting results from the monitoring performed during 2014 calendar year.

ABOUT THE SYSTEM

The Mason County Department of Utilities and Waste Management is now a division of the Mason County Public Works Department. The utilities division employs five full time operators certified by the State of Washington to operate and maintain the water and wastewater systems owned by Mason County, one of which is Rustlewood. There is a certified operator on duty every day of the week to monitor these systems. While we do use other operators at Rustlewood Marty Grabill is assigned as the primary operator in charge of the Rustlewood water and sewer systems. Marty can be reached on his cell phone at 360-490-6608.

The Rustlewood community gets its water from three wells located near the entrance to the community. There are two water storage tanks that provide 65,000 gallons of equalizing storage at this location.

One of the regular maintenance activities performed by our staff is to flush the water system pipes and test the fire hydrants several times throughout each year. This tends to stir up sedimentation and you may temporarily experience increased turbidity and / or a change in color of your water. If you do so, simply run the water until it clears up, which usually takes only a few minutes. Staff will post signs prior to flushing hydrants.

Mason County is required by state law to install service meters by January of 2017. Staff is working to identify available grant and loan programs to help offset the cost of this project. In addition, there is work needed to improve the well controls and storage facilities.

It is our understanding that the PUD, Hood Canal Communications, and Century Link will be upgrading their underground infrastructure in Rustlewood this year which will likely result in some water service interruptions if a water line is broken as a result. Mason County will do its best to provide accurate locates and assistance to the other utilities during this process to prevent damage to our pipes.

CROSS-CONNECTION CONTROL PROGRAM

Do you have an automated sprinkler system, a direct method of filling a swimming pool or spa, or any other apparatus, fixture, existing backflow device, or other condition that may cause contaminants to backflow into the water system? If so you need to contact Marty Grabill at 360-490-6608.

WHO DO I CALL WITH A PROBLEM?

To report a problem with your water service, billing statement or to report suspected leaks during regular office hours (7:30 AM to 4:30 PM Mon-Thurs, 7:00 AM to 4:00 PM Fri) call 360-427-9670 ext. 207, 283, 566. After hours or for emergencies please call 911 or

Marty Grabill at phone at 360-490-6608. On weekends you can also call 360-275-7067 to report problems such as leaks or service interruptions. For technical information or any other questions please call Erika Schwender at 360-427-9670 extension 652

ARE THERE CONTAMINANTS IN MY WATER

Drinking water, including bottled water may reasonably be expected to contain at least some small amounts of minerals, organics, or chemicals. The presence of chemicals does not necessarily indicate that the water poses a health risk. Some of these compounds actually improve the taste of drinking water. Chemicals of concern are associated with potential health risks and the federal and state government established maximum allowable levels for these substances.

Some people are more vulnerable to certain contaminants' effects than the general population. Immuno-compromised persons, such as persons with cancer undergoing chemo-therapy, or who have organ transplants, HIV/AIDS, or other immune system disorders, the elderly and infants can be particularly at risk. These people should seek the advice of their health care provider about drinking water. EPA / CDC guidelines on appropriate means to lessen the risk and more information about contaminants and their potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

WATER CONSERVATION

We all know how important drinking water is. This is especially evident during interruptions of service that occurs due to maintenance or repair of the system. While these interruptions are only minor inconveniences, remember they are minor only because we know service will resume and most uses of drinking water can be delayed for short periods. Should service be interrupted for an

extensive period having to obtain an alternate source of water could easily become the most important function of your day.

Some studies report that metered water systems use about one third as much water as unmetered systems of the same size. State law mandates the installation of water service meters by January 2017. Mason County is preparing for meters by installing meter sets where they do not currently exist. You will be notified several days in advance of a planned water service interruption that is going to affect you as a result of this work.

WATER QUALITY DATA

All state mandated water quality monitoring during 2014 met the state drinking water standards.

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 arsenic from drinking water. While high levels of arsenic are known to cause cancer in humans and are linked to other health effects, such as skin damage and circulatory problems, EPA continues to research the health effects of low levels of arsenic.

The following table provides information on the constituents detected during routine monitoring of Rustlewood's Drinking water supply.

Substance	Maximum Allowable Contaminant Level (MCL) in mg/L	Highest Level detected in Rustlewood Drinking Water in mg/L	Date of sample collection*	Mandatory State Reporting Limit in mg/L	Most probable Contaminant source
Nitrate	10	0.2000	10/28/2014	0.2000	Fertilizer, wastewater intrusion
Nitrite	1.00	0.2000	04/26/2010	0.2000	Fertilizer, wastewater intrusion
Manganese	0.0500	0.1100	04/26/2010	0.0100	Natural Deposits
Iron	0.3000	0.2800	04/26/2010	0.1000	Natural Deposits
Hardness		57.0000	04/26/2010	10.0000	Natural Deposits
Conductivity	700.0000	98.0000 umhos/cm	04/26/2010	70.0000 umhos/cm	Natural Deposits
Turbidity		0.4000 NTU	04/26/2010	0.2000 NTU	Sediment
Cynaide	0.2000	0.0500	04/26/2010	0.0100	Pesticide, industrial activities
Chloroform		0.0023900	09/04/2014	0.0005000	Disinfection Byproduct
Bromodichloromethane		0.000870	09/04/2014	0.0005000	Disinfection Byproduct
Total Trihalomethane	0.080000	0.0032600	09/04/2014	calculated	Disinfection Byproduct
Dichloroacetic Acid		0.0017800	09/04/2014	0.0010000	Disinfection Byproduct
Trichloroacetic Acid		0.0019400	09/04/2014	0.0010000	Disinfection Byproduct
HAA(5)	0.0600000	0.0037200	09/04/2014	0.0150000	Disinfection Byproduct
1,2-Dibromo-3-chloropropane		0.00050000	05/31/2012	0.0005000	Pesticide
Ethylene Dibromide		0.0005000	05/31/2012	0.0005000	Pesticide
Lead		0.0120	08/15/2013	0.0120	Plumbing
Copper		0.1100	08/15/2013	0.0200	Plumbing

*Not all parameter are required to be tested each year. The Consumer Confidence Report provides information on substances, which have been tested for within the last 5 years and had concentrations greater than the Mandatory State Reporting Limit.