

BEARDS COVE WATER SYSTEM

ID # 05100E

CONSUMER CONFIDENCE REPORT 2013

June 2014

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 Beards Cove 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 2013 calendar year.

ABOUT THE SYSTEM

The Mason County Department of Public Works/Utilities employs five full time operators certified by the State of Washington to run the water and wastewater systems the County owns and operates, one of which is Beards Cove. There is a certified operator on duty every day of the week to monitor our systems throughout Mason County. 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 and 7:30 AM to 4:00 PM on Fri) call 360-275-4467 ext. 283. On weekends until 3:00 PM call 360-275 7067. After hours emergencies please call Jeff Palmer at 360-490-0961 or 911. For technical information or water saving tips call Tom Moore at 360-275-4467 ext. 652

About twice each year the hydrants are tested and the system is flushed of sedimentation that builds up in the pipes. This tends to stir things up and you may experience some turbidity. If you do, simply run a hose until the water clears. This usually takes only a few minutes. Staff will post signs prior to flushing hydrants. You should also know that if you've been away for extended periods, it is a good idea to run your water through each fixture to freshen it up. Water can pick up trace metals from pipes and fixtures in your home during extended contact times.

Every year the County experiences a number of water breaks that are attributed to a homeowner going out and trying to turn off or on the valve in the meter box. The County installs those valves for use by County personnel only. You should have in or on your home a valve that will shut your entire water service off for in home repairs, etc. If you try to turn the street valve on or off it may break, if it does you will be charged to have it fixed.

Anytime you plan to dig in a utility right of way or easement you must call 811 before you dig.

WHERE DOES BEARDS COVE GET ITS WATER?

Beards Cove gets water from three wells located throughout the community. Well #1 is located on Anchor Dr., Well # 3 is up near the storage tank and Wells #4 and #5 are located in the park near the pool.



CROSS-CONNECTION CONTROL PROGRAM

If 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, you may be affected. Please contact Tom Moore at 360-275-4467 ext. 652 for more information.

Contaminates in Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least some small amounts of minerals, organics, or chemicals, called contaminants. **The presence of contaminants does not necessarily indicate that the water poses a health risk.**

Some people are more vulnerable to contaminants than the general population. Immuno-compromised persons, such as persons with cancer undergoing chemo-therapy, persons who have organ transplants, people with HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk from infections. These people should seek the advice of their health care provider about drinking water. The EPA/CDC guideline 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.

EMERGENCY PREPAREDNESS

In the event of a severe storm or other natural disaster, response by the Government may take days or weeks. Mason County's Emergency Management staff is ready to help you become better prepared. Please call 360-275-4467 ext. 801 for information.

The Beards Cove Water System has auxiliary power supplies and a seismically stable storage tank, but everything underground could be at risk during a major earthquake. If you lose water service it could take days or even weeks to restore depending on the damage. Please be prepared, storing a two-week supply of drinking water is not unreasonable. We will do our best to return the system to service as soon as possible in the event of a major disaster.

There is a history of vandalism and theft at the storage tank

facilities. Any suspicious activity should be reported to the Mason County Sheriff's office. Please call 911 if you observe anyone tampering with the water system's facilities. Water systems have been identified as potential terrorist targets by the Department of Homeland Security. We all need to be extra vigilant around our rural water supply facilities.

A WORD ON 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.

We are blessed to live in a part of the world where clean water seems plentiful. However this can be a double-edged sword in some cases. People sometimes fail to see the importance of the little things they can do to conserve water suitable for drinking. Of all the water in the world 97% is salt water. Of the remaining 3%, 2% is frozen leaving only 1% for consumption. Therefore don't be fooled by the apparent abundance of water in our environment. The water we can consume is only a small percentage of what is available and we must conserve and protect this, our most precious resource.

Normally our wells operate about 4 to 6 hours per day. During hot weather we see the hours increase to as much as 16 to 20 hours per day. That is an increase from an average of about 200 gallons per household per day to around 600 gallons. When this happens, water use restrictions are placed on the system to minimize the impacts of the increased demands. When you see the signs posted please reduce your lawn watering and car washing and follow an odd /even watering schedule based on the last digit of your street address. Call us for more information and to get some great water saving tips.

Washington State Drinking Water regulations require that all systems have service meters by January 2017. Mason County has begun preparations to begin meter installations this year and hopes to complete installation well before the deadline. We will do our best to see you are notified of planned service interruptions in advance.

WATER QUALITY DATA

During 2013, two bacteriological samples were taken every month from various points throughout the system in accordance with our Coliform Monitoring Plan. All examinations of water from the wells and from the collection system examinations met or exceeded 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. 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.

The table below is an example of some of the analysis of your water taken during the 2013 monitoring period from our most used well. Additional results can be found on the WDOH web page or by calling Tom Moore at 360-275 4467 Ext. 652.

State Reporting Limit				
0027	CHLOROFORM	LT	0.5000	ug/L 0.5000
0028	BROMODICHLOROMETHAN E	LT	0.5000	ug/L 0.5000
0029	DIBROMOCHLOROMETHAN E	LT	0.5000	ug/L 0.5000
0030	BROMOFORM	LT	0.5000	ug/L 0.5000
0045	VINYL CHLORIDE	LT	0.5000	2.0000 ug/L 0.5000
0046	1,1 DICHLOROETHYLEN E	LT	0.5000	7.0000 ug/L 0.5000
0047	1,1,1 TRICHLOROETHAN E	LT	0.5000	200.0000 ug/L 0.5000
0048	CARBON TETRACHLORID E	LT	0.5000	5.0000 ug/L 0.5000
0049	BENZENE	LT	0.5000	5.0000 ug/L 0.5000
0050	1,2 DICHLOROETHAN E	LT	0.5000	5.0000 ug/L 0.5000
0051	TRICHLOROETHYLEN E	LT	0.5000	5.0000 ug/L 0.5000
0052	1,4 DICHLOROBENZEN E	LT	0.5000	75.0000 ug/L 0.5000
0053	CHLOROMETHAN E	LT	0.5000	ug/L 0.5000
0054	BROMOMETHAN E	LT	0.5000	ug/L 0.5000
0056	METHYLENE CHLORIDE(DICHLOROMETHANE)	LT	0.5000	5.0000 ug/L 0.5000
0057	TRANS- 1,2 DICHLOROETHYLEN E	LT	0.5000	100.0000 ug/L 0.5000
0058	1,1 DICHLOROETHAN E	LT	0.5000	ug/L 0.5000

0060	CIS-1,2 DICHLOROETHYLEN E	LT	0.5000	70.0000	ug/L	0.5000	E
0063	1,2 DICHLOROPROPAN E	LT	0.5000	5.0000	ug/L	0.5000	SEC- 0092 BUTYLBENZEN E
0066	TOLUENE	LT	0.5000	1000.0000	ug/L	0.5000	P- 0093 ISOPROPYLTOLUEN E
0067	1,1,2 TRICHLOROETHAN E	LT	0.5000	5.0000	ug/L	0.5000	N- 0094 BUTYLBENZEN E
0068	TETRACHLOROETHYLEN E	LT	0.5000	5.0000	ug/L	0.5000	1,2,4 0095 TRICHLOROBENZEN E
0071	CHLOROBENZEN E	LT	0.5000	100.0000	ug/L	0.5000	0096 NAPHTHALEN E
0072	1,1,1,2 TETRACHLOROETHAN E	LT	0.5000		ug/L	0.5000	0104 DICHLORODIFLUOROMETHAN E
0073	ETHYLBENZEN E	LT	0.5000	700.0000	ug/L	0.5000	0160 TOTAL XYLENES

Analyte DOH Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminan t Level	State Reportin Units	g Limit
0102	EDB (ETHYLENE DIBROMIDE)	LT	0.5000	0.0500	ug/L	0.5000
0103	DBCP	LT	0.5000	0.2000	ug/L	0.5000
0074	M/P XYLENES (MCL FOR TOTAL)	LT	0.5000		ug/L	0.5000
0075	O- XYLENE (MCL FOR TOTAL)	LT	0.5000		ug/L	0.5000
0076	STYRENE	LT	0.5000	100.0000	ug/L	0.5000
0078	BROMOBENZEN E	LT	0.5000		ug/L	0.5000
0079	1,2,3 TRICHLOROPROPAN E	LT	0.5000		ug/L	0.5000
0081	O- CHLOROTOLUEN E	LT	0.5000		ug/L	0.5000
0084	1,2 DICHLOROBENZEN E	LT	0.5000	600.0000	ug/L	0.5000
0085	TRICHLOROFLUOROMETHAN E	LT	0.5000		ug/L	0.5000
0086	BROMOCHLOROMETHAN E	LT	0.5000		ug/L	0.5000
0089	1,3,5 TRIMETHYLBENZEN E	LT	0.5000		ug/L	0.5000
0091	1,2,4 TRIMETHYLBENZEN	LT	0.5000		ug/L	0.5000

You know this better than I because you drink it every day. The Beards Cove Water system has some of the best tasting water in Washington State. I've been in this business for better than thirty years. Not too many systems are left that meet today's tough drinking water standards without having some form of treatment or chemical addition. Nothing is added to the water at Beards Cove. To keep it that way Mason County needs your help and vigilance. If you see a leak, report it. If you see suspicious activity at one of our facilities, report it. Use the water wisely but enjoy it. You live a community that is unique when it comes to the natural quality of your drinking water.

I mentioned above how long I've been operating and managing water systems. I've worked at Mason County Utilities for thirty years at the end of September and I have decided to retire. I've known some of you my entire time here. I leave you in good hands however. Jeff Palmer, Bill VanBuskirk, Marty Grabill, Charri Garber, and Jeremy Campeau all have the skills to continue on and provide you with clean safe drinking water and great service.

Thank you all for your help, understanding, and patience. If there is anything I can help you with between now and September let me know.

Tom Moore
Deputy Director
Mason County Utilities