CONSUMER CONFIDENCE REPORT FOR 2009

CONTACT INFORMATION

If you have any questions about this report or concerning your water utility, please contact Robert Shonka at 360-794-6900. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings.

Meeting Location: The District Office at 24602 Old Owen Rd.

Meeting Time:

The second Thursday of every month.

Highland Water District routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st, 2009. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

We're pleased to present to you this year's Annual Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. We purchase our water from the City of Everett which is treated surface water from Lake Chaplin.

DEFINITIONS

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Cryptosporidium - A one-celled intestinal parasite that if ingested may cause diarrhea, fever and other gastrointestinal distress. It can be found in all of Washington's rivers, streams, and lakes and comes from animal or human wastes deposited in the watershed. Cryptosporidium is resistant to chlorine, but is removed by effective filtration and sedimentation treatment such as that used by Everett. It can also be inactivated by certain types of alternate disinfection processes such as ozonation and UV light contactors. In 2009, Everett tested the source water at the plant intakes for Cryptosporidium oocysts on a weekly basis through the month of April, and on a monthly basis from May through December. No oocysts were detected in the 26 samples collected.

Treatment Polymers - During water treatment, polymer coagulants are added to improve coagulation and filtration processes that remove particulates from water. The particulates that are removed can include viruses, bacteria and other disease causing organisms. The USEPA sets limits on the type and amount of polymer that a water system can add to the water. In addition to the EPA limits, the State of Washington also requires that all polymers used be certified safe for potable water use by an independent testing organization (NSF International). During treatment, Everett adds only NSF approved polymers and the levels used are far below the safe limits set by USEPA.

Maximum Contaminant Level Goal (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 (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 water treatment technology.

Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Treatment Technique (TT) - A required process and performance criteria intended to reduce the level of a contaminant in drinking water.

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

Parts per Million (ppm)/ Parts per Billion (ppb) - A part per million means that one part of a particular contaminant is present for every million parts of water. Similarly, parts per billion indicate the amount of a contaminant per billion parts of water.

Not Applicable (N/A) - Means EPA has not established MCLGs for these substances.

CITY OF EVERETT 2009 WATER QUALITY ANALYSIS RESULTS

PARAMETER	MAJOR SOURCE	UNITS	EPA REGULATIONS		EVERETT WATER RESULTS		
			IDEAL LEVEL/GOAL (MCLG)	MAXIMUM ALLOWABLE (MCL)	RANGE OR OTHER	AVERAGE VALUE OR HIGHEST RESULT	COMPLY
Nitrate	Erosion of natural deposits, animal waste	ppm	10	10	0.049 - 0.120	0.087	Yes
Total Coliform Bacteria	Naturally present in the environment	% Positive	0	5% Positive per month	0 - 0.8%	0.8%	Yes
Total coliform bacteria m percent of the monthly to	onitoring is used to track micr tal can be positive for total col	obial quality iforms. Total	in the water distributic coliform was detected	on system. Everett colle once in 2009.	cts 120-125 sample	es per month. No	ot more than 5
Fluoride	Dental health additive	ppm	2	4	0.78 - 1.1	0.94	Yes
Fluoride is added to your	water in carefully controlled le	vels for dent	al health.				
Residual Disinfectant Level (free chlorine)	Added as a drinking water disinfectant	ppm	4.0 (MRDLG)	4.0 (MRDL)	0.2 - 1.0	0.6	Yes
Haloacetic Acids (5)	By-product of drinking water chlorination	ppb	N/A	60	18.1 - 41.6	26	Yes
Total Trihalomethanes	By-product of drinking water chlorination	ppb	N/A	80	22.3 - 34.2	29.4	Yes
Haloacetic acids and triha here are from the four loc:	lomethanes form as by-produc ations monitored to determine	ts of the chlo compliance	rination process that is with current regulation	used to kill or inactiva s.	te disease-causing	microbes. The re	sults reported
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I urbidity is a measure of the amount of particulates in water in Nephelometric Turbidity Units (NTU). Particulates in water can include bacteria, viruses and protozoans that can cause disease. Turbidity measurements are used to determine the effectiveness of the treatment processes used to remove these particulates. The values reported are the lowest monthly percentage of samples that met the turbidity limit and the highest single filtered water turbidity measurement obtained for the year. In 2009 no filtered water turbidity results were above the EPA 0.3 NTU limit so the lowest percentage was 100%.

		IDEAL	EVERETT WATER RESULTS		
PARAMETER	UNITS	LEVEL/GOAL (MCLG)	RANGE DETECTED	AVERAGE VALUE	
Bromodichloromethane	ppb	0	1.0 - 1.7	1.4	
Chloroform (Trichloromethane)	ррЬ	70	21.3 - 32.6	28.0	
Dichloroacetic Acid	ррЬ	0	4.2 - 16.1	10.3	
Trichloroacetic Acid	ppb	300	10.7 - 25.5	15.7	

These substances are disinfection by-products which must be monitored to determine compliance with the USEPA Stage 1 Disinfection By-products Rule.

Lead and Co	ead and Copper						
	MAJOR SOURCE	UNITS	EPA REGULATIONS		EVERETT WATER RESULTS		
PARAMETER			IDEAL LEVEL/GOAL (MCLG)	ACTION LEVEL (AL)	90th% LEVEL	HOMES EXCEEDING THE AL	COMPLY?
Copper	Plumbing, erosion of natural deposits	ppm	1.3	1.3	0.188	None	Yes
Lead	Plumbing, erosion of natural deposits	ppb	0	15	3	2 of 108 (1.9%)	Yes

USEPA and state regulations require Everett and the systems it supplies to monitor for the presence of lead and copper at household taps in their combined service area every three years. The above data was collected in 2009. The next round of required sampling will be conducted in the summer of 2012. The 90th% level is the highest result obtained in 90 percent of the samples collected when the results are ranked in order from lowest to highest. The results for water tested before it enters household plumbing were even lower. This indicates that there is virtually no lead or copper in the water, but household plumbing may contribute to the presence of lead and copper at the tap.

		EVERETT WATER RESULTS		
PARAMETER	UNITS	RANGE DETECTED	AVERAGE VALUE	
Alkalinity ³	ppm	12.2 - 29.0	17.5	
Aluminum ³	ppb	0.008 - 0.050	0.016	
Arsenic 4	ррЬ	ND ¹	ND	
Calcium Hardness ³	ppm ²	7.1 - 12.0	8.9	
pH ³	s.u.	6.8 - 9.1	8.0	
Sodium [*]	ppm	6.2 - 7.1	6.8	
Total Hardness '	ppm ²	9.1 - 13.3	11.3	

¹ ND = Not Detected

² Hardness amd alkalinity units are in ppm as CaCO3 (calcium carbonate equivalent units)

³ Results are from samples from 26 locations in Everett's distribution system

⁴ Sodium and arsenic are monitored at the treatment plant effluent

EXPLANATIONS

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

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. Highland Water District 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.

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 disorders, 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/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Please call our office if you have questions. We at Highland Water District work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

DRINKING WATER TREATMENT NOTICE

On Tuesday, September 1, the City of Everett drinking water treatment plant exceeded the maximum filter flow rate approved by the State Department of Health. The incident occurred while a study was being conducted to determine the hydraulic characteristics of a new water storage facility at the plant. Water was allowed to flow through several filters above state authorized rates for approximately one hour, increasing the risk that insufficiently treated water could have entered the water system. During the event, filtered water quality remained in compliance with all drinking water standards. The State Department of Health determined there was no significant threat to public health and that a public health advisory was not needed. State and federal regulations require that a statement regarding this violation be included in this report along with the following mandatory language: *"Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches."*