



2008 Water Quality Report

Special Information Available

The City of Sunnyside is committed to providing its residents with the highest quality of drinking water. We believe the best way to ensure your drinking water is safe and reliable is to provide you with accurate information. This 2008 Water Quality Report will explain where your drinking water comes from, what substances it contains and the treatment processes. The table included with this report compares your water to the Environmental Protection Agency (EPA) and the Washington State Department of Health water quality standards. The City is pleased to report that our drinking water is safe and meets federal and state requirements.

All drinking water, including bottled water, may be reasonably expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate the 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). Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised 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 infection. 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).

Water Use Efficiency Program

The Department of Health has implemented a new requirement that all Municipal Water Suppliers are to implement a Water Use Efficiency (WUE) Program by 2008. **The WUE Program was designed to "help use water efficiently to help meet future needs, operate successfully within financial, managerial and technical constraints, and to continue to deliver safe and reliable water."** The WUE Program must include goals for the water system to meet as well as performance measures supporting how the recommended goals will be met.

Cross Connection Control

A cross connection is the point at which a non-drinking water substance can possibly come in contact with drinking water. The potential for backflow exists when there is a cross connection. Examples of cross connection include, but are not limited to a hose inside a bucket of water or connections between potable water and sprinkler irrigation systems. Backflow is caused by back pressure and back siphonage, and is the unwanted reverse flow of non-potable water back into the water system. The installation of a backflow device on your home sprinkler system can help avoid these backflow situations. Always maintain an air gap of 2 times the diameter of the water supply outlet and never less than one inch when filling a container. For further information regarding cross connections and backflow devices, please call the City of Sunnyside's Public Works office.

En Español

Este reporte de la calidad de agua demuestra como el Departamento de Agua de la Ciudad de Sunnyside continua en proveerle con un servicio de agua seguro y confiable. Si tiene alguna pregunta tocante la calidad del servicio de agua o información en este reporte, por favor llame al Departamento de Trabajos Públicos de la Ciudad de Sunnyside al 837-5206 durante las horas regulares de oficina.

Customer Views Welcome

If you are interested in learning more about the Sunnyside Water Department, water quality or water rights, please contact the City Public Works Department located at 818 East Edison Avenue (City Hall). Our phone number is 837-5206. Water billing information may be obtained at the same address or by calling 837-3782. Your calls are welcome 7:30 am to 6:00 pm, Monday through Thursday. City Council meets the second and fourth Monday of each month at 6:30 pm at the Law & Justice Center. The agenda is posted on the City website at www.ci.sunnyside.wa.us. On occasion, items related to the water system are discussed. Please feel free to participate.

Thank you,

James L. Bridges, P.E.

Interim City Manager / Public Works Director

COMPOUNDS	UNITS	WELL 6	WELL 7	WELL 8	WELL 9	WELL 11	EPA'S MCL	SOURCES OF CONTAMINANT AND OTHER INFORMATION	
IRON	ppm	0.12	Not detected	<0.1	<0.1	Not detected	0.3	Average 0.01/Natural Geology	
MANGANESE	ppm	0.05	0.05	<0.01	0.04	Not detected	0.05	Average 0.01/Natural Geology	
SODIUM	ppm	13	18	18	19	13.9	20	Average 11.5/Natural Geology	
GROSS BETA	pci/l	Not detected	Not detected	Not detected	Not detected	8	50	Decay of natural and man-made deposits	
FLUORIDE	ppm	0.4	0.4	0.5	0.4	0.34	4	Average 0.35/Natural Geology	
NITRATE	ppm	<0.5	<0.5	1.6	0.77	1.49	10	Average 0.51/Natural Geology	
SULFATE	ppm	28	Not detected	35	28	25	250	Average 22.5/Natural Geology	
SELENIUM	ppm	<.0005	Not detected	<0.0005	<0.005	Not detected	0.05	Average 0.0045/Natural Geology	
TURBIDITY	NTU	0.6	0.2	0.4	0.3	0.21	over 1/treatment technique	Average 0.21/Natural Geology	
LEAD	ppm	Regulated at tap - 0.009 ppm						0.015	Household plumbing/Natural Geology
COPPER	ppm	Regulated at tap - 0.053 ppm						1.3	Household plumbing/Natural Geology
HARDNESS	mg/l	133	118	158	121	137	Not regulated	Natural in Well Water Hardwater over 100 mb/l	
MAGNESIUM	ppm	15	10	13	13	Not detected	Not regulated	Natural Geology	
CALCIUM	ppm	33	27	38	26	33	Not regulated	Natural Geology	
ARSENIC	ppm	0.008	0.002	0.003	0.006	0.003	0.01	Average 0.0047/Natural Geology	
RADIUM 228	pci/l	0.89	0.63	0.65	0.49	0.38	5	Natural Geology	

Cryptosporidium & Giardia - not present in City water

Coliform & E. Coli - (monthly testing) NONE DETECTED

Asbestos - (tested 1999) NONE DETECTED (next test 2009)

TTHMs & Disinfectant Chlorine - Residual levels do not exceed MCL

Definitions:

Maximum Contaminant Level (MCL) - the highest level of a contaminant that is allowed in drinking water

Units - Measurement value for each compound

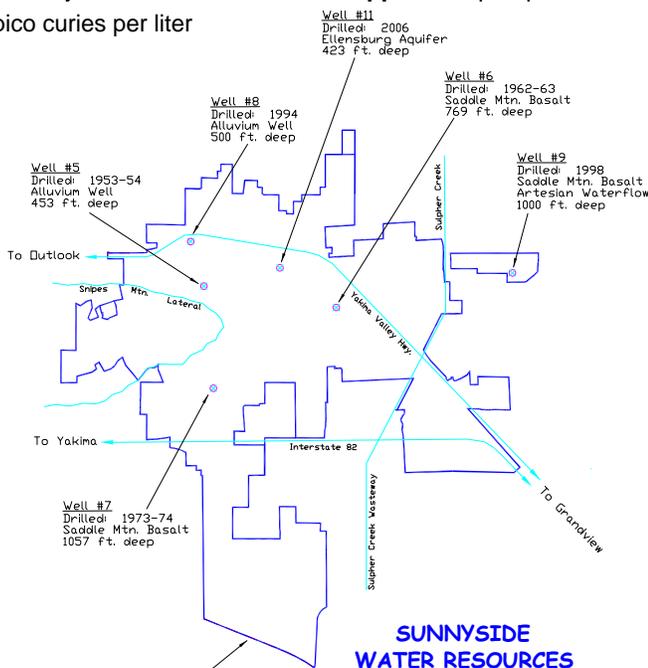
mg/l - milligrams per liter

NTU - turbidity units

pci/l - pico curies per liter

ppm - one part per million

ppb - one part per billion



General Information

As you can see in the table above, all Wells are at or below the MCL for all compounds tested. You will also notice that Wells 5 & 10 are no longer listed on the table. We have listed the status of these wells as "Emergency Use Only" and as a result of that are not required to test them until such time as they are brought back into service.

LEAKS...

Quick Facts

1. A dripping faucet can lose up to 180 gallons a month or 2,160 gallons per year.
2. A leaking toilet can use 90,000 gallons of water in 30 days.
3. Approximately 1 in every 318 homes or buildings has a leak.
4. Approximately 1 in every 20 pools has a leak.
5. One trip through a car wash uses 150 gallons of drinking water.
6. A leak the size of a pinhead can waste 360,000 gallons per year, enough to fill 12,000 bath tubs to the overflow mark.
7. Using a broom to clean the sidewalk instead of a hose saves 150 gallons of drinking water.
8. Collecting water (to use for gardening) from the faucet while waiting for hot water saves about 250 gallons of water a month.
9. A 1/8 inch hole in a metal pipe, at 40 psi, leaks 2,500 gallons of water in a 24 hour period.
10. Using a pool cover prevents about 1,000 gallons of water per month from evaporating.
11. A typical toilet leak can raise your monthly water bill by hundreds of dollars.