2015 Water Quality Report

Our purpose is to provide for the delivery of safe, high quality water for all water users within the City of Battle Ground. This report is designed to give you, our customers, an overview of Battle Ground's water quality for 2015. You will discover where your water comes from and what steps are taken to guarantee you always receive quality drinking water.

Reservoir Maintenance

The City of Battle Ground has six water reservoir tanks that are inspected and cleaned on a rotating basis. In 2015, the city contracted with a highly specialized service to inspect and clean reservoirs No. 5 and No. 6.

The service contractor, Advanced Diving Service, operates under a technical standard outlined by the American Water Works Association for divers in potable water facilities. SCUBA certification is not sufficient and additional training is required. The diver is totally encapsulated in a sealed dry suit and then washed down with 200 ppm chlorine solution prior to entry into the tank.

The diver is then able to move about the tank to perform inspections and provide cleaning and maintenance as needed. This process is an effective means to inspect and clean potable water storage tanks while the tank remains in service and full of water.

WATER Conserve It.

Water conservation, using water efficiently and avoiding waste, is essential to ensure that we have adequate water today and into the future. For everyday tips, visit **www.cityofbg.org/conservewater**

Achievements

The City of Battle Ground is committed to the health and safety of our customers and to providing quality service and value. Several projects and strategies were implemented in 2015 to meet state and federal requirements and to maintain and improve the city's water system and service delivery.

- 5,600 aging and outdated water meters were replaced with upgraded electronic meters with Automated Meter Reading technology.
- To comply with Department of Homeland requirements, security fences were installed around water reservoir tanks.
- The city remained in compliance with all Department of Health Sanitary Survey requirements.
- The city received a 100% rating for all water testing requirements from the Department of Health.
- Maintenance was completed on the Well No. 5 pump house.
- The annual Backflow Testing Program was completed with 100% participation form residential and commercial customers. This state required annual testing serves as a detection mechanism to avoid potential water system contamination.
- Recertification requirements were met by all Public Works Department Water Operations employees.

Contact Us

Public Works Department

Water Operations

1308 SE Grace Ave, Battle Ground, WA 98604

360-342-5350

Mon - Fri, 7:30 am - 4:00 pm

360-635-7076

After Hours Emergencies

Questions regarding your utility bill?

Call the Finance Department at

360-342-5002

Información será traducida al español a petición de cityclerk.info@cityofbg.org.

EPA Regulated Compounds

Trihalomethanes

Chemical	Results	Units	SRL	MCL	MCLG
Trihalomethanes (8)	5.9	pCi/L	.50	80	N/A

Volatile Organic Chemicals

Chemical	Results	Units	SRL	MCL	MCLG
Trichloroethylene (6)	0.55	ug/L	.5	5.0	0
Tetrachloroethylene (7)	.76	ug/L	.5	5.0	0
1,1,1-Trichloroethane	0.1J	ug/L	.5	200	200
1,1-Dichloroethylene	0.2J	ug/L	.5	7.0	0

Inorganic Chemicals

Chemical	Results	Units	SRL	MCL	MCLG
Fluoride (2)	1.0	Mg/L	.05	4	4
Nitrate-N (3)	1.37	Mg/L	0.2	10	10
Barium (1)	.081	Mg/L	.1	2	2
Chromium (1)	.002	Mg/L	.01	1	1
Chloride (4)	59.2	ug/L	20	250	N/A
Bromodichloromethane (8)	.7	ug/L	0.5	N/A	N/A
Bromoform (8)	1.1	ug/L	0.6	N/A	N/A

EPA Unregulated

Chemical	Results	Units	SRL	MCL	MCLG
Copper (5)	0.98	Mg/L	.02	0.5	N/A
Lead (5)	0.0085	Mg/L	.001	2	2

EPA Regulated (Secondary)

Chemical	Results	Units	SRL	MCL	MCLG
Iron (4)	.31	Mg/L	.1	.30	N/A
Zinc (4)	.006	Mg/L	.2	5	N/A
Manganese (4)	.032	Mg/L	.01	0.05	N/A

Radionuclides

Chemical	Results	Units	SRL	MCL	MCLG
Gross Alpha	4.8	pCi/L	0.5	50	0

What do these tables mean?

The tables show the results of our water quality analysis for 2011-2015. Every regulated contaminant that we detect in the water, even in the most minute traces, is listed here. The table contains the name of each substance, the highest level allowed by regulation (MCL), the ideal goals for public health, the amount detected and the usual sources of contamination.

NOTES

(1) Erosion of natural deposits
(2) Fluoride: Water additive that promotes strong teeth
(3) Nitrate - N: Erosion of natural deposits, septic systems, sewage and pesticides
(4) Chloride Natural occurring by-product
(5) Natural erosion of copper plumbing
(6) Discharge from metal degreasing sites and other factories
(7) Discharge from industrial and/or commercial sites
(8) Chlorine by-products

Highest level tested is indicated and is not indicative of consistent testing on this element. All results are from treated water samples.

Acronyms:
SRL - State Reporting Level
MCL - Maximum Contaminant Level
MCLG - Maximum Contaminant Level Goal

Units:
ug/L = Micrograms/ Liter
ppb = Parts per Billion
mg/L = Milligrams per Liter
ppm = Parts per Million

Monitoring Your Water

To ensure that water is safe to drink, the Environmental Protection Agency (EPA) and the WA State Department of Health prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. To meet these standards the City contracts with a State certified laboratory to conduct water quality analyses. Analyses are performed on water samples that are regularly taken from the source wells and distribution system. The wells are tested for chemical, physical, radioactive, and bacteriological parameters as required by Federal and State regulations.

In addition to well testing, the water quality is monitored throughout the distribution system. Several key locations within the distribution system have been selected for this purpose. Each location is tested for bacteria, color, turbidity, odor, and disinfectant level to assure that you receive safe and high quality drinking water.

The City's water system is currently supported by 8 wells, 6 reservoirs, 2 booster pump stations and a water intertie with Clark Public Utilities. Water is pumped from underground aquifers via the wells where it is then disinfected. The water then passes through a filter, for purification, before it travels to the reservoirs for storage and distribution. The booster pumps are used to sustain water flow to ensure adequate water pressure to support the functionality of the system.

Water and Your Health

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants doesn't necessarily indicate that water poses health risks. Some people may be more vulnerable to contaminants in drinking water than the general population.

An immunocompromised person such as person with cancer, undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or with 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 healthcare providers.

Our Water Treatment Process

Step #1 - Disinfection: A small amount of chlorine is added to eliminate bacteria and micro organisms that may be in the water.

Step #2 - Filtration: Water passes through filters containing a granular material that removes very small particles from the water.

Step #3 - Fluoridation: Fluoride is added to promote dental health.

Routine tests are conducted to ensure your water meets all of the Environmental Protection Agency's standards for healthy water.