

## CONSUMER CONFIDENCE REPORT 2022

Report Covers Calendar Year: January 01 2021– December 31, 2021

Este informe contiene información muy importante sobre el agua usted bebe. Tradúzcalo ó hable con alguien que lo entienda bien.

### I. Public Water System (PWS) Information

PWS Name:	Aston Estate		
PWS ID #	090667		
Operator Name:	Carl Behrent		
Telephone #	509-429-1452	Fax #	
E-mail	carlbehrent@jcloud.com		
We want our valued customers to be informed about their water quality. If you would like to learn more about public participation or to attend any of our regularly scheduled meetings, please contact <b>Rebecca Arnold</b> at <b>826-3403</b> for additional opportunity and meeting dates and times.			

### II. Drinking Water Sources

The sources of drinking water (both tap and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pickup substances resulting from the presence of animals or from human activity.	
<b>Our water source(s):</b>	Pump house and the three running wells are located on Kruse Street. The holding tank is .40,000 gal.

### III. Drinking Water Contaminants

<u>Microbial contaminants</u> , such as viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
<u>Inorganic contaminants</u> , such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
<u>Pesticides and herbicides</u> that may come from a variety of sources, such as agriculture, urban stormwater runoff, and residential uses.
<u>Organic chemical contaminants</u> , including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and also may come from gas stations, urban stormwater runoff, and septic systems.
<u>Radioactive contaminants</u> , that can be naturally occurring or be the result of oil and gas production and mining activities.

### IV. Vulnerable Population

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 water poses a health risk. 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 of infections. These people should seek advice about drinking water from their health care providers. For more information about contaminants and potential health effects, or to receive a copy of the U.S. Environmental Protection Agency (EPA) and the U.S. Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by <i>Cryptosporidium</i> and microbiological contaminants call the EPA <i>Safe Drinking Water Hotline</i> at 1-800-426-4791.
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### V. Definitions

<u>AL = Action Level</u> - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements.							
<u>MCL = Maximum Contaminant Level</u> - The "Maximum Allowed" is the highest level of a contaminant that is allowed in drinking water.							
<u>MCLG = Maximum Contaminant Level Goal</u> - The "Goal" is the level of a contaminant in drinking water below which there is no known or expected risk to health.							
<u>MFL = Million fibers per liter.</u>							
<u>MRDL = Maximum Residual Disinfectant Level.</u>							
<u>MRDLG = Maximum Residual Disinfectant Level Goal.</u>							
<u>MREM = Millirems per year</u> – a measure of radiation absorbed by the body.							
<u>NA = Not Applicable</u> , sampling was not completed by regulation or was not required.							
<u>NTU = Nephelometric Turbidity Units</u> , a measure of water clarity.							
<u>PCi/L = Picocuries per liter</u> - picocuries per liter is a measure of the radioactivity in water.							
<u>PPM = Parts per million</u> or	<table border="1"><tr><td>ppm x 1000 = ppb</td><td>Milligrams per liter (mg/L).</td></tr><tr><td>ppb x 1000 = ppt</td><td>Micrograms per liter (µg/L).</td></tr><tr><td>ppt x 1000 = ppq</td><td>Nanograms per liter.</td></tr></table>	ppm x 1000 = ppb	Milligrams per liter (mg/L).	ppb x 1000 = ppt	Micrograms per liter (µg/L).	ppt x 1000 = ppq	Nanograms per liter.
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ppt x 1000 = ppq	Nanograms per liter.						
<u>PPB = Parts per billion</u> or							
<u>PPT = Parts per trillion</u> or							
<u>PPQ = Parts per quadrillion</u> or							
<u>TT = Treatment Technique</u> - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.							

### VI. Health Effects Language

<b>Nitrate</b> in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods-of-time because of rainfall or agricultural activity. If you are caring for an infant, and detected nitrate levels are above 5 ppm, you should ask advice from your health care provider.
If <b>arsenic</b> is less than or equal to the MCL, your drinking water meets EPA's standards. 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.
Infants and young children are typically more vulnerable to <b>lead</b> in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested. Flush your tap for 30 seconds to 2 minutes before

VIOLATION OF A MCL, MRDL, AL, TT, OR MONITORING AND REPORTING REQUIREMENT				
Violation	Explanation	Duration	Actions Taken to Correct the Violation	Health Effects Language
Coliform 2 Detection { No } Ecoli	1. In house filter problem 2. Well problem	3 days	1. Change filter, run bleach in house retest. <b>passed.</b> 2. take well off line. Tried to pull pump out lift pipe broke. Due to weather unable to complete in 2021	None

**VII. Water Quality Data { Please note that some test shown are the last current date of required tests }**

- Pesticides 08/04/2016.....None Detected. Taken every 9 years
- Volatile Organic Chemicals 08/04/2016 .....None Detected. Taken every 6 years
- Inorganic Contaminants 07/09/2019 ..... Below state guidelines. Taken every 9 years
- Herbicides 11/17/21..... None Detected Taken every 9 years
- Lead, Copper 10/19/21.....Below state guidelines Taken every 3 years
- Arsenic 07/09/2019 .....Below state guidelines Taken every 3 years

Inorganic Chemicals (IOC)	Violation Y or N	Results of Test	MC	MCLG	Sample Month & Year	Likely Source of Contamination
Nitrate-N (mg/L)	N	0.07 mg/l	10. mg/l	10.mg/l	08/18/2021	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Arsenic	N	.0063	.010 mg/l	.010 mg/l	07/19/2019	

**Radioactive Contaminants**

Radionuclides	Violation Y or N	Results of Test	pCi/L Limit	Sample Month & Year	Likely Source of Contamination
Gross Alpha (pCi/L)	N	1.90 pCi/L	5.0	10/25/21	Erosion of natural deposits
Radium 228	N	0.649 pCi/L	5.0	11/05/21	

Substance Analyzed tested every 3 years	Date Collected	Detected Level	AL	Unit of Mesure	Passed
Lead 33 River Overlook }	10/19/21	0.000130	.015	mg/l	Yes
Lead { 11 Kruse St }	10/19/21	0.000210	.015	mg/l	Yes
Lead { 319 Omak R.R }	10/19/21	0.000140	.015	mg/l	Yes
Lead { 309 Omak R.R }	10/19/21	0.000360	.015	mg/l	Yes
Lead { 45 Kruse St. }	10/19/21	0.000580	.015	mg/l	Yes
Copper 33 River Overlook	10/19/21	0.0425	1.3	mg/l	Yes
Copper { 11 Kruse St. }	10/19/21	0.0186	1.3	mg/l	Yes
Copper {319 Omak R.R }	10/19/21	0.0499	1.3	mg/l	Yes
Copper {309 Omak R.R }	10/19/21	0.0153	1.3	mg/l	Yes
Copper { 45 Kruse St. }	10/19/21	0.00881	1.3	mg/l	Yes

**Full water test information on Aston Estates for past years.**

State Web site

<https://fortress.wa.gov/doh/eh/portal/odw/si/intro.aspx>

Sentry internet – access Washington <>

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