

Bluff View Acres Community Water System

PWSID # 223624

2016 Consumer Confidence Report

BVAHA 4401 S Doubletree Rd Wasilla AK 99654

Is my water safe?

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies. Last year, we conducted tests for over 80 contaminants. Our water exceeds EPA drinking water standards for arsenic. (For more information see the section labeled Violations at the end of the report).

Do I need to take special precautions?

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/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Where does my water come from?

Our well is a groundwater well, 465 Feet Deep. It was drilled in June of 1978 on Block 3, Lot 5 Bluff View Acres. Its Well/Spring yield is 125 gallons per minute. Our Pump Capacity is at least 98 Gallons per minute. Our water mains are 4" ductile iron. We currently don't treat our water however, EPA & DEC regulations may require water treatment, filtration and/or chlorination in the future.

Source water assessment and its availability

A Source Water Assessment is available for your water system. You may review a copy at the Alaska Resources Library & Information Services (ARLIS) located at 3211 Providence Drive, Room 111 Anchorage, AK 99508; phone number 907-272-7547.

This Source Water Assessment's Executive Summary is as follows: "The public water system for Bluffview Acres is a Class A water system consisting of 1 source intake(s). The water system is located in Wasilla and the intake for this PWSID is a groundwater well. The wellhead received a susceptibility of "low" and the aquifer received a susceptibility rating of "low". Combining these scores produces a natural susceptibility of "low" for the source. In addition, this water system has received a vulnerability rating of "medium" for bacteria/viruses, "medium" for nitrates/nitrites, "low" for volatile organic chemicals, "medium" for heavy metals, "low" for other organic chemicals, and "low" for synthetic organic chemicals."

Why are there contaminants in my drinking water?

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. 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). The sources of drinking water (both tap water 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 pick up substances resulting from the presence of animals or from human activity: microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, 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; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses; organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

How can I get involved?

There are no regularly scheduled meetings specifically pertaining to the Bluff View Acres Water System (PWSID# 223624) however, the Homeowners' Association tries to have at least one meeting every year where any questions or concerns regarding the water system are addressed and decisions made. Notifications are sent to each home and property owner. If you have questions or concerns that might affect water quality we encourage you not to wait for a meeting but to contact us immediately.

Source Water Protection Tips

Protection of drinking water is everyone's responsibility. You can help protect your community's drinking water source in several ways:

- Eliminate excess use of lawn and garden fertilizers and pesticides – they contain hazardous chemicals that can reach your drinking water source.
- Pick up after your pets.
- If you have your own septic system, properly maintain your system to reduce leaching to water sources or consider connecting to a public water system.
- Dispose of chemicals properly; take used motor oil to a recycling center.

Additional Information for Lead

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. Bluff View Acres (PWSID#223624) 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>.

Water Quality Data Table

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. We have monitoring waivers from the State of Alaska, DEC for Synthetic Organic Contaminants (SOC's) and Asbestos. In this table you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

| <u>Contaminants</u> | <u>MCLG or MRDLG</u> | <u>MCL, TT, or MRDL</u> | <u>Your Water</u> | <u>Range</u> | | <u>Sample Date</u> | <u>Violation</u> | <u>Typical Source</u> |
|-------------------------------|----------------------|-------------------------|------------------------------|--------------|-------------|---|------------------|--|
| | | | | <u>Low</u> | <u>High</u> | | | |
| Inorganic Contaminants | | | | | | | | |
| Arsenic (ppb)** | 0 | 10 | 21.5 21.5 19.9 23.6 | 19.9 | 23.6 | 12/16/16 9/20/16 6/21/16 3/24/16 | Yes | Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes |

| <u>Contaminants</u> | <u>MCLG</u> | <u>AL</u> | <u>Your Water</u> | <u>Sample Date</u> | <u># Samples Exceeding AL</u> | <u>Exceed AL</u> | <u>Typical Source</u> |
|--|-------------|-----------|-------------------|--------------------|-------------------------------|------------------|--|
| | | | | | | | |
| Lead - action level at consumer taps (ppb) | 0 | 15 | .1 | 2015 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits |
| Copper - action level at consumer taps (ppm) | 1.3 | 1.3 | 0.0094 | 2015 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits |

Violations and Exceedances

****Arsenic Exceedance**
Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system, and may have an increased risk of getting cancer. Per EPA regulation we took quarterly samples for arsenic until we exceeded the "running annual average". Since our water system exceeds the arsenic MCL of 10ppb we are taking steps to bring the arsenic levels under the MCL of 10ppb which include drilling a new well.

| RADIOACTIVE CONTAMINANTS | | | | | | |
|---------------------------------|----------------------|------------------------|--------------------|-------------|------------|--|
| <u>Contaminant</u> | <u>Violation Y/N</u> | <u>Level Detected</u> | <u>Date</u> | <u>MCLG</u> | <u>MCL</u> | <u>Major Sources in Drinking Water</u> |
| Radium 226/228 | No | .39 pCi/L .17 pCi/L | 6/28/16 6/23/16 | 0 | 5 pCi/L | Erosion of natural deposits |

| Unit Descriptions | |
|-------------------|--|
| Term | Definition |
| ppm | ppm: parts per million, or milligrams per liter (mg/L) |
| ppb | ppb: parts per billion, or micrograms per liter (µg/L) |
| NA | NA: not applicable |
| ND | ND: Not detected |
| NR | NR: Monitoring not required, but recommended. |

| Important Drinking Water Definitions | |
|--------------------------------------|---|
| Term | Definition |
| MCLG | MCLG: Maximum Contaminant Level Goal: 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. |
| MCL | MCL: Maximum Contaminant Level: 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 treatment technology. |
| TT | TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water. |
| AL | AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow. |
| Variances and Exemptions | Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions. |
| MRDLG | MRDLG: Maximum residual disinfection level goal. 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. |
| MRDL | MRDL: Maximum residual disinfectant level. 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. |
| MNR | MNR: Monitored Not Regulated |
| MPL | MPL: State Assigned Maximum Permissible Level |

For more information please contact:

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***** NEW WELL UPDATE *****

Bluff View Acres is working under a Compliance Order by Consent (COBC) with State of Alaska DEC (signed 5/2/2014) to come into compliance with the Arsenic Rule. We drilled a new well that (following 18 months of required testing) has been determined to be a Groundwater Source. An Engineering submittal to connect the new well to the water system is under review at DEC and we will proceed following upon an issuance of an Approval to Construct.