

# Water Quality Report

Annual Consumer  
Confidence Report  
June 2020

*We are proud to report that the water provided by Doyon Utilities  
meets or exceeds established water quality standards.*



**DOYON UTILITIES** CO INC

[www.doyonutilities.com](http://www.doyonutilities.com)  
Office: 907-338-3600  
Public Water System ID# 2212039



Joint Base Elmendorf-Richardson

[www.jber.af.mil](http://www.jber.af.mil)  
Office: 907-384-3985  
Public Water System ID# 2211423

## Where does our water come from?

JBER's drinking water is obtained from surface-water drainage and three local wells on JBER. Large debris is removed from the raw surface-water prior to it entering the treatment plant where it undergoes several conventional water treatment processes. The plant is designed to produce approximately 7 million gallons of water per day – enough to fill over 8 Olympic competition-size pools! All of our treatment processes are controlled and monitored

by an interconnected set of computers. Because groundwater is a very high quality source of raw water, the only treatment necessary is disinfection. Each groundwater well is equipped with its own in-line chlorination equipment to ensure that water enters the distribution system free from any microbial contamination. The finished water is tested several times a day to ensure that pH, chlorine residuals, and fluoride are at appropriate levels.



*Upper Ship Creek provides the drinking water for the JBER water system.*

## Who are we?

While there are two Public Water Systems on JBER, the two systems are connected and in essence operate as a continuous system from the water plant to the consumer. The commonality of the two systems allows us to efficiently operate as a team in order to serve our most deserving community; the military personnel and civilian employees assigned to the joint installation. This report will provide many technical aspects of our water quality but just as importantly, it will allow us an opportunity to let you know some of the work going on behind the scenes.

Doyon Utilities owns and operates utilities located on the Richardson side of JBER. This relationship was initially established through a Utility Privatization Contract with the Army at the

former Ft. Richardson and later expanded due to the joint basing action that consolidated Ft. Richardson and Elmendorf AFB to become JBER. As the water purveyor on the Richardson side, Doyon Utilities manages the water plant and distribution lines, while conducting a myriad of bacteriological and chemical tests to ensure all quality standards are met.

Once the water reaches the Elmendorf side, the 673d Civil Engineer Group (CEG) and 673d Medical Group (MDG) Bioenvironmental Engineer-

ing Flight take over. CEG provides distribution system oversight, while Bioenvironmental Engineering monitors water quality. This includes additional testing of the system for bacteriological contamination, with each major loop and/or population area sampled at least once per month.

Additionally, several select chemical contaminants are re-sampled to verify results seen on JBER, as required by the State of Alaska. The results of Bioenvironmental Engineering's samples, in conjunction with those obtained by Doyon Utilities, are used to ensure basewide water quality.

In order to ensure long term reliability of the water source, we have

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Doyon Utilities operates and provides utility service for the United States Army in Alaska at Fort Wainwright, Fort Greely and JBER (Joint Base Elmendorf-Richardson).

## Doyon Utilities Drinking Water Mission



The Environmental Protection Agency (EPA) and the Alaska Department of Environmental Conservation (ADEC) have given us an opportunity to tell the rest of our story in the form of this annual Consumer Confidence Report. Doyon Utilities is pleased to prepare this comprehensive

report for those who work and reside on JBER. Our goals and efforts are to provide you with a complete picture of the water quality program.

As you will clearly see from the report, the water you consume is of exceptional quality and exceeds the standards established by the US Environmental Protection Agency.

## Drinking Water Quality Report

Doyon Utilities is proud of the high quality water it provides to our customer. This annual water quality report provides information on the source of our water, lists the results of water quality tests that are conducted and contains other important information about water and health.

Doyon Utilities will notify you immediately if there is any reason for concern about your water. We are happy to report to you how we have surpassed established

water quality standards. Doyon Utilities is in compliance with the national primary drinking water regulations and has met all testing and monitoring requirements. The EPA has determined that your water is safe



at the tested and monitored levels. We have included a table inside outlining the tests conducted and the results of those tests.

## Who Are We? continued

conducted assessment studies to determine areas where we need to focus our resources. Our water treatment plant received continuous oversight of the drinking water it produces. The quality of water you drink is superb and our standards will not be compromised. Testing results from 2019 are included in this report and from the data, you can be confident that the dedicated staff of highly qualified and state-certified professional water treatment operators will protect the integrity and quality of your drinking

water. After all, our reputation is only as good as the quality of water we produce and we value that reputation!

We are proud to be partners in preparation and publication of this annual Consumer Confidence Report and welcome any suggestions on how to make it more informative in the future. As a side note, we encourage you to use the water you need but don't needlessly use water. Conservation of any resource is important and we ask you to do your part in this effort.

## Water System Upgrade

In 2018, Doyon Utilities, in conjunction with Joint Base Elmendorf-Richardson's 673rd Air Base Wing, began a substantial renovation and upgrade of the installation's water treatment and storage system. As this project proceeds, the Arctic Valley water treatment plant will receive a multi-million dollar infrastructure upgrade to increase the base's water storage capability, followed by another significant renewal and replacement plan to refurbish and upgrade other water plant infrastructure.

The water treatment plant was originally constructed in 1952 and is the primary source of treated water for JBER. Water from the reservoir behind a dam on Ship Creek is piped to the plant, where it is treated before being distributed throughout the joint base. The installation of the two additional storage tanks, known as clearwells, and other plant upgrades are the next phase in a series of improvements to the base's utilities. The new clearwells will add three million gallons of treated water storage for the installation. One of the clearwells was completed during 2019, with the remainder of the project continuing into 2020.

As Doyon Utilities prepared for the upgrade, sampling of paint and materials to be disturbed during the construction process was conducted. This survey revealed polychlorinated biphenyls, commonly known as PCBs, in paint throughout the building.

During calendar year 2019, DU collected weekly samples of the water produced at the treatment plant. All samples returned no detectable concentration of PCB compounds. These weekly tests support historical sampling data that also showed no trace of PCBs in JBER's drinking water. DU is working with both the Alaska Department of Environmental Conservation and the United States Environmental Protection Agency to ensure this issue is appropriately addressed. To date, all drinking water samples collected specifically for PCB contamination have returned negative or non-detect for PCBs.

## Water Testing and Your Health

The sources of drinking water (both tap and bottled) include rivers, lakes, ponds, reservoirs, springs and wells. As water travels over the surface of the land or underground, it can dissolve naturally occurring minerals. In some cases, water can pick up radioactive material, or substances resulting from the presence of animals or human activity.

Although our water supply may contain some of these contaminants, it is important to know that these substances are either removed completely or reduced to a safe level before it arrives at your tap.

Contaminants that may be present in source water include:

- Microbial Contaminants, such as viruses and bacteria, which may come from sewage treatment facilities, septic systems, agricultural livestock operations and wildlife.
- Inorganic Contaminants, such as salts and metals, which may naturally occur or result from urban storm water runoff, industrial or domestic wastewater discharge, oil and gas production or farming.
- Pesticides and Herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- Organic Contaminants, including synthetic and volatile organic compounds, which are by-products of industrial processes and petroleum production, and may also come from gas stations, urban storm water runoff and septic systems.
- Radioactive Contaminants, which may occur naturally or result from oil and gas production and mining activities.

In order to ensure tap water is safe to drink, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. 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.

Some people in the general population may be more vulnerable than others to contaminants in drinking water. Immuno-compromised persons such as those with cancer undergoing chemotherapy, persons who have undergone organ transplants, persons with HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk of infection. These people should seek advice about drinking water from their health care providers. EPA/CDC published guidelines on appropriate means to lessen the risk of infection are available from the Safe Drinking Water Hotline (800-426-4791).

We're happy to answer any other questions about our water quality. For general information or for water quality questions call Doyon Utilities site management office at 907-338-3600 or JBER Bioenvironmental Engineering at 907-384-3985.

Other Resources: Environmental Protection Agency's Safe Drinking Water Hotline: 1-800-426-4791. Water Quality Data for community water systems throughout the United States is available at <https://www.epa.gov/ground-water-and-drinking-water/drinking-water-data-and-reports>.



# Drinking Water Test Results

## JBER-Richardson 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water hotline at 1-800-426-4791.

The table lists the Regulated Contaminants required to be monitored by the EPA that were detected in your water. While most monitoring is required annually, some contaminants are sampled less frequently. The Stage 2 Disinfection By-Product Rule requires testing for trihalomethanes and haloacetic acids at locations in the distribution system that produce the highest concentration of these two categories of compounds.

This sampling was done quarterly in 2019. All the substances found were present in quantities less than the EPA's limits for safe drinking water. If you would like to view a complete listing of test results, please call Kathleen Hook at 907-455-1540.

Substance	Sample Date	Violation Y/N	Detected Results JBER-R PWS 2212039	MCL	MCLG	Potential Source of Contamination
<b>Microbiological Contaminants</b>						
Coliform Bacteria	Monthly 2019 100% of Samples Negative	N	0 positive samples	Two or more positive samples/month	0	Naturally present in the environment
Turbidity	Daily 2019	N	Highest single measurement 0.98 NTU 99.8% of samples <0.3 NTU	TT = 1 NTU TT = % of samples <0.3 NTU	NA	Soil Run-off
<b>Inorganic Contaminants</b>						
Fluoride	Daily 2019	N	0.04 - 0.88 ppm	4 ppm	4 ppm	Chemical Additive
Nitrate Bldg 28004 Bldg 35610 (Well 1) Bldg 35620 (Well 2) Bldg 35630 (Well 3)	Annually 1/14/19 1/14/19 1/14/19 1/14/19	N	0.35 ppm 0.35 ppm 0.35 ppm 0.63 ppm	10 ppm	10 ppm	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Barium Bldg 28004 Bldg 35610 (Well 1) Bldg 35620 (Well 2) Bldg 35630 (Well 3)	Every 9 years 1/22/18 1/22/18 1/22/18 1/22/18	N	0.0089 ppm 0.0038 ppm 0.0039 ppm 0.0042 ppm	2 ppm	2 ppm	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chromium Bldg 28004 Bldg 35610 (Well 1) Bldg 35620 (Well 2) Bldg 35630 (Well 3)	Every 9 years 1/22/18 1/22/18 1/22/18 1/22/18	N	ND 0.001 ppm ND 0.0009 ppm	0.1ppm	0.1ppm	Discharge from steel and pulp mills; Erosion of natural deposits
Nickel Bldg 28004 Bldg 35610 (Well 1) Bldg 35620 (Well 2) Bldg 35630 (Well 3)	Every 9 years 1/22/18 1/22/18 1/22/18 1/22/18	N	ND ND ND ND	—	—	Naturally-occurring, urban stormwater runoff, wastewater discharges, oil and gas production, mining or farming
Asbestos	Every 9 years 2/25/14	N	<0.115 µm	7 MFL	7 MFL	Decay of asbestos-cement water mains; Erosion of natural deposits
Free Residual Chlorine	Daily 2019	N	0.39 - 1.90 ppm	MRDL 4 ppm	MRDL 4 ppm	Water additive used to control microbes

*Inorganic Contaminants continued next page.*

Substance	Sample Date	Violation Y/N	Detected Results JBER-R PWS 2212039	MCL	MCLG	Potential Source of Contamination
<b>Inorganic Contaminants (continued)</b>						
Lead <sup>1</sup>	Every 3 years August 2018	N	90th Percentile <1.0 ppb	AL=15ppb	0	Corrosion of household plumbing systems
Copper <sup>1</sup>	Every 3 years August 2018	N	90th Percentile 0.075 ppm	AL=1.3 ppm	1.3 ppm	Corrosion of household plumbing system
<sup>1</sup> Samples were obtained from numerous locations, the 90th percentile for lead and copper were below EPA actions levels (AL). For a complete list of sites contact Kathleen Hook at 907-455-1540.						
<b>Organic Contaminants</b>						
Total Organic Carbon	Monthly 2019	N	Raw Water Range <0.50-1.98 ppm Treated Water Range <0.50-1.28 ppm	TT	TT	Naturally present in the environment
Total Trihalomethanes Bldg 560 (AAFES Gas) Bldg 986	Samples taken Quarterly 2019	N	Average 14.9 ppb Range 3.6 - 31.2 ppb	80 ppm	NA	By-product of drinking water chlorination
Total Haloacetic Acids Bldg 560 (AAFES Gas) Bldg 986	Samples taken Quarterly 2019	N	Average 16.9 ppb Range 4.6 - 18.5 ppb	60 ppm	NA	By-product of drinking water chlorination
<b>Radionuclides</b>						
Gross Alpha Bldg 28004 Bldg 35610 (Well 1) Bldg 35620 (Well 2) Bldg 35630 (Well 3)	Every 9 years 1/22/18 1/22/18 1/22/18 1/22/18	N	Highest reported level 1.3 ± 0.6 pCi/L 1.5 ± 0.7 pCi/L 2.5 ± 0.9 pCi/L 1.2 ± 0.7 pCi/L	15 pCi/L	0	Erosion of natural deposits
Combined radium (226, 228) Bldg 28004 Bldg 35610 (Well 1) Bldg 35620 (Well 2) Bldg 35630 (Well 3)	Every 9 years 1/22/18 1/22/18 1/22/18 1/22/18	N	Highest reported level 2.68 ± 0.67 pCi/L 2.66 ± 0.75 pCi/L 1.50 ± 0.80 pCi/L 3.80 ± 0.81 pCi/L	5 pCi/L	0	Erosion of natural deposits

## Terms and Abbreviations Used

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

**JBER-E:** Joint Base Elmendorf Richardson – Elmendorf side. Public Water System (PWS) 2211423

**JBER-R:** Joint Base Elmendorf Richardson – Richardson side. Public Water System (PWS) 2212039

**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 technology.

**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 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 contamination.

**MFL:** Million fibers per liter >10 μm

**mrem/yr:** Millirems per year.

**Nephelometric Turbidity Units (NTU):** The unit of measurement for turbidity samples.

**Not Applicable (NA):** When NA is used in the range column, only one sample was taken, therefore, no range exists.

**Not Detectable (ND):** The contaminant is below the detectable limits of the testing method.

**pCi/L:** Picocuries per liter.

**ppb:** Parts per billion or micrograms per liter.

**ppm:** Parts per million or milligrams per liter.

**Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.

# Drinking Water Test Results

## JBER-Elmendorf 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water hotline at 1-800-426-4791.

The table lists the Regulated Contaminants required to be monitored by the EPA that were detected in your water. While most monitoring is required annually, some contaminants are sampled less frequently. The Stage 2 Disinfection By-Product Rule requires testing for trihalomethanes and haloacetic acids at locations in the distribution system that produce the highest concentration of these two categories of compounds.

All the substances found were present in quantities less than the EPA's limits for safe drinking water. If you would like to view a complete listing of test results, please call JBER Bioenvironmental at 907-384-3985.

Substance	Sample Date	Violation Y/N	Detected Results JBER-E PWS 2211423	MCL	MCLG	Potential Source of Contamination
<b>Microbiological Contaminants</b>						
Coliform Bacteria	Monthly 2019 100% of Samples Negative	N	None Detected	Two or more positive samples/ month	0	Naturally present in the environment
<b>Inorganic Contaminants</b>						
Asbestos	Every 9 years 11/18/14	N	<0.119 µm	7 MFL	7 MFL	Decay of asbestos-cement water mains; Erosion of natural deposits
Free Residual Chlorine	Daily 2019	N	0.2 - 1.7 ppm	MRDL 4 ppm	MRDL 4 ppm	Water additive used to control microbes
Lead <sup>1</sup>	Every 3 years June 2019	N	90th Percentile 0.59 µg/L	AL=15ppb	0	Corrosion of household plumbing systems
Copper <sup>1</sup>	Every 3 years June 2019	N	90th Percentile 0.1359 ppm	AL=1.3 ppm	1.3 ppm	Corrosion of household plumbing system
<sup>1</sup> Samples were obtained from numerous locations, the 90th percentile for lead and copper were below EPA actions levels (AL). For a complete list of sites contact JBER Bioenvironmental at 907-384-3985.						
<b>Organic Contaminants</b>						
Total Trihalomethanes Bldg 18220 (381st Intel) Bldg 5091 (Family CC)	Two Samples taken Annually 2018	Y see page 7	Average 17.4 ppb Range 2.4 - 17 ppb	80 ppm	NA	By-product of drinking water chlorination
Total Haloacetic Acids Bldg 18220 (381st Intel) Bldg 5091 (Family CC)	Two Samples taken Annually 2018	Y see page 7	Average 11.3 ppb Range 7.2 - 24 ppb	60 ppm	NA	By-product of drinking water chlorination

JBER-Elmendorf Drinking Water continues next page

## JBER-Elmendorf Drinking Water: Important Information About Your Water

### **Disinfection Byproduct monitoring requirement for trihalomethanes and haloacetic acids not met for JBER-Elmendorf (PWS ID# AK 2211423) for calendar year 2019.**

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During 2019, we did not monitor or test for trihalomethanes and haloacetic acids, and therefore cannot be sure of the quality of our drinking water during that time.

Monitoring for trihalomethanes and haloacetic acids on JBER-Elmendorf is achieved through analysis of two water samples collected annually by Bioenvironmental Engineering. Bioenvironmental Engineering conducted sampling for trihalomethanes and haloacetic acids in February 2020, and all substances found were present in quantities less than the EPA's limits for safe drinking water. We will continue testing for trihalomethanes and haloacetic acids at locations in the distribution system that produce the highest concentration in November 2020, as required, to return to compliance.

Drinking water which contains trihalomethanes and/or haloacetic acids in excess of MCLs over many years may increase chances for some health effects. Since historical monitoring on JBER-Elmendorf and 2019 monitoring for JBER-Richardson (where the water is disinfected) have resulted in trihalomethanes and haloacetic acids levels well below the MCLs, there is no concern for an increased health risk to customers at this time.

Even though this was not an emergency, as our customers, you have a right to know what happened and what we are doing to correct this situation. For more information, please contact Bioenvironmental Engineering at 907-384-3985.

### **Bacteriological monitoring requirement for E.coli not met for JBER-Elmendorf (PWS ID# AK 2211423) for January 2020**

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During January 2020 we did not complete all monitoring or testing for E.coli, and therefore cannot be sure of the quality of our drinking water during that time.

Monitoring for E.coli on JBER-Elmendorf is achieved through analysis of water samples collected by Bioenvironmental Engineering. The JBER-Elmendorf drinking water system requires the collection of 20 samples monthly for analysis. In January 2020, Bioenvironmental Engineering missed one of the required samples. We corrected this action by ensuring all 20 samples were taken in February and returned our sampling program to compliance at that time.

E.coli are bacteria which can cause short-term health effects. Since the rest of the January samples on JBER-Elmendorf were negative for E.coli there is no concern for increased health risk to customers at this time.

Even though this was not an emergency, as our customers, you have a right to know what happened and what we did to correct this situation. For more information, please contact Bioenvironmental Engineering at 907-384-3985.



## Discolored Water

JBER takes weekly water quality samples as well as additional samples during every line break. Be assured Bioenvironmental Engineering and Doyon Utilities make every effort to ensure the

water provided to JBER is safe for consumption and the installation is notified should water quality deteriorate.

Some residents may experience brown or rusty water coming from their

faucets; more often in older housing. This is usually caused by a higher concentration of minerals in the water. This does not mean that the water is not safe. Any brown or rusty water that does not run

clear after running faucets for several minutes should be reported to housing maintenance.

Another common occurrence is white cloudy water. This is due to more oxygen in the water and

most often noticed during colder months. Any cloudy water that does not clear up after sitting for a couple minutes should be reported to housing maintenance.

## Drinking Water and Wastewater | COVID-19

Doyon Utilities continues to monitor the situation with COVID-19. The following FAQ was developed as of March 2020 from both EPA and CDC information.

### Is drinking tap water safe?

Yes – EPA recommends that Americans continue to use and drink tap water as usual. The World Health Organization (WHO) has stated that the, “presence of the COVID-19 virus has not been detected in drinking-water supplies and based on current evidence the risk to water supplies is low.” Additionally, according to the Centers for Disease Control and Prevention (CDC), COVID-19 is mainly thought to spread between people who are in close contact with one another. Further, EPA’s drinking water regulations require treatment at public water systems to remove or kill pathogens, including viruses.

### Do I need to boil my drinking water?

Boiling your water is not required as a precaution against COVID-19.

### Is tap water safe to use for hand washing?

EPA recommends that Americans continue to use and drink tap water as usual. According to the CDC, washing your hands often with soap and water for at least 20 seconds helps prevent the

spread of COVID-19. Follow CDC’s handwashing guidance at [www.cdc.gov/handwashing/index.html](http://www.cdc.gov/handwashing/index.html).

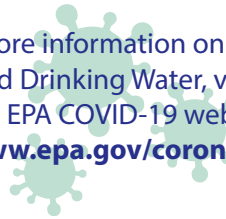
### What should I do if I’m concerned about my drinking water?

WHO has stated that the, “presence of the COVID-19 virus has not been detected in drinking-water supplies and based on current evidence the risk to water supplies is low.”

Homeowners that receive their water from a public water utility may contact their provider to learn more about treatments being used. Treatments could include filtration and disinfectants such as chlorine that remove or kill pathogens before they reach the tap.

Homeowners with private wells who are concerned about pathogens such as viruses in drinking water may consider approaches that remove bacteria, viruses, and other pathogens, including certified home treatment devices.

For more information on COVID-19 and Drinking Water, visit the US EPA COVID-19 website at [www.epa.gov/coronavirus](http://www.epa.gov/coronavirus).



## Water System Conditions & Maintenance

During times of maintenance, the water may appear hazy or have a slight color at the consumer tap. Likewise, earthquakes, rapid changes in water velocity, and firefighting activities may also cause discolored water events. If this condition occurs, run several faucets until the water is clear. Additionally, maintenance activities may result in lower than normal pressure. This usually occurs during fire hydrant flow testing and water main flushing. Larger, more

complex system maintenance or repair activities may require the utility to lower all pressure within small areas of the water distribution network. As a result, utilities may issue a boil water notice to the affected area. These notices are usually issued out of an abundance of caution by the water supplier to ensure the public health is protected. It is important for the customer to read and follow the directions within the boil water notice. Contact JBER Bioenvironmental



Engineering at 907-384-3985 or Doyon Utilities at 907-338-3600 for more information.

This Consumer Confidence Report summarizes drinking water quality for the period between January 1, 2019 and December 31, 2019. In order to conserve natural resources and make it more efficient to distribute an electronic copy can be downloaded at [www.doyonutilities.com](http://www.doyonutilities.com) or [www.jber.af.mil](http://www.jber.af.mil). Hardcopies are also available at Doyon Utilities or by contacting Kathleen Hook at 907-455-1540.

## Lead/Copper in Drinking Water

The EPA Safe Drinking Water Act requires public water systems to test water samples from its customers to determine lead and copper levels. If present, elevated levels of lead can cause serious health problems, especially in pregnant women and young children.



Lead and Copper samples were collected at numerous locations on JBER-R during August 2018, and at JBER-E during June 2019. During both sampling events the 90th percentiles were below the EPA Action Levels.

Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. There is nothing in the treatment process that would introduce lead into the water; therefore, the water is tested at the individual service locations. If abnormal levels of lead or copper are detected in the water supply, residents will be notified and JBER will initiate action to correct the problem.

One method to minimize the risk of lead or copper contamination is to let the tap water run for at least 30 seconds to flush any water that has been sitting for several hours.

It is important to use this approach for drinking water or cooking water. 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>.

## Source Water Assessment

A Source Water Assessment has been completed for all of the JBER-Richardson’s drinking water sources. These include the waters of Ship Creek and three ground water wells located on JBER-R.

A Source Water Assessment is a study and report, unique to each water system, which provides basic

information about the area that provides water to your drinking water source.

The source water assessment is available by logging into the ADEC’s Drinking Water Watch website at [www.dec.alaska.gov/dww/](http://www.dec.alaska.gov/dww/). Search JBER-R water system number: AK2212039.