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# Mountain Home Air Force Base and Strike Dam Recreational Center

## Drinking Water Quality Consumer Confidence Report (CCR) for 2020 Reporting Period

## **Executive Summary**

The Mountain Home Air Force Base (MHAFB) water system produces high quality water and meets Environmental Protection Agency (EPA) standards to ensure all consumers receive safe drinking water. As such, the base is pleased to announce the availability of the annual Drinking Water Consumer Confidence Report (CCR). This report is a summary of water quality during the 2020 calendar year. Included are details about where your water comes from, what it contains, and how it compares to EPA and state standards. We are committed to providing you with information because informed citizens are our best allies.

Last year, Bioenvironmental Engineering conducted more than 200 tests for over 70 contaminants. Of these contaminants, only one [nitrates] was detected above the Maximum Contaminant Level (MCL). Well #9, which served the Air Traffic Control Tower, and Well #4, which was taken offline upon exceedance, were the only areas affected by nitrates being above the MCL. For Well #9, personnel were previously advised in 2016 not to drink the water and were supplied with bottled water for all consumption purposes. All other contaminants were either not detected or within EPA standards. One Tier 3 – failure to monitor – violation was received for not conducting volatile organic compound (VOC) sampling at Well #4 prior to rendering it offline for the Nitrate MCL exceedance. Per the Idaho Department of Environmental Quality (IDEQ), consumer notification is requested for violations and more information can be found in Section IV, Compliance Violations, and Section VI, Level of Detected Contaminants, of this report.

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# 2020 Consumer Confidence Report (CCR)

## I. WATER SYSTEM INFORMATION

*Water System Name:*

Mountain Home Air Force Base	PWS ID #: 4200054
Mountain Home AFB Strike Dam Recreational Area	PWS ID #: 4200088

*Water System Operator:*

Mr. Jeffery White	366 CES/CEOIU
(208) 828-3391	Water Fuels Systems Maintenance
	750 Liberator Street, Bldg. 1400, MHAFB, ID 83648

*Water Program Manager:*

Mr. Michael McDaniels	366 FW/A7IE
(208) 828-6351/1761	Environmental Office
	1100 Liberator St, Bldg. 1297, MHAFB, ID 83648

*Health Compliance Office:*

Bioenvironmental Engineering	366 OMRS/SGPB
(208) 828-7270	90 Hope Drive, Bldg. 6003, MHAFB, ID 83648

<i>Population Served:</i>	<i>Number of Connections:</i>	<i>Date of CCR Distribution:</i>
7,500	1,200	1 July 2021 (for calendar year 2020)

*Regularly Scheduled Meeting(s):*

MHAFB Drinking Water Working Group meets quarterly. For more information, contact Mr. Michael McDaniels, Water Program Manager, 366 FW/A7IE, Mountain Home AFB, ID. Phone: (208) 828-1761.

## II. WATER SOURCES

<i>Groundwater Sources (springs, wells, infiltration galleries):</i>			
Wells - MHAFB produces water from the well field within permeable zones of the Bruneau Formation.			
Source # 1	Well 4	BPW4	Location: Mountain Home AFB
Source # 2	Well 9	BPW9	Location: Mountain Home AFB
Source # 3	Well 10	BPW10	Location: Mountain Home AFB / Strike Dam
Source # 4	Well 13	BPW13	Location: Mountain Home AFB
Source # 5	Well 14	BPW14	Location: Mountain Home AFB

<i>Emergency-Use-Only Sources (springs, wells, infiltration galleries):</i>			
Source # 1	Well 12*	BPW12	Location: Mountain Home AFB

\*Well 12 was designated an Emergency-Use-Only Well in July 2019 and is to be used only in the event of mechanical or electrical failure of other Groundwater Sources or to provide fire suppression flow. If used in this capacity, you will be notified in this Consumer Confidence Report.

### **III. POTENTIAL SOURCES OF CONTAMINATION:**

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 pick up substances resulting from the presence of animals or from human activity.

A potential point source of contamination is any facility that stores, uses, or produces, as a product or by-product, regulated contaminants. For a potential point source to be included in the potential contaminant source inventory, it must also have a potential for release of contaminants at levels that could pose a concern relative to drinking water sources. It is important to understand that a release may never occur from a potential contamination source if best management practices are being used. Many potential sources of contamination are regulated at the Federal or State level, or both, to reduce the risk of release. Therefore, when a business, military building, or property is identified as a potential contaminant source, this should not be interpreted to mean that this business, military building or property is in violation of any local, State, or Federal environmental laws or regulations. What this means is that the potential for contamination exists due to the nature of the business, military building operation, or type of activity on the property.

Sources that could potentially contaminate the drinking water supply for MHAFB include both point and non-point sources of contamination. Point sources of contamination occur at distinct locations. They are often regulated and require permits or registration for facilities that use, store, or sell those materials (such as fueling stations with leaking underground storage tanks). Non-point sources of contamination often occur over large areas and can result from normal everyday activities such as lawn chemical or agricultural activities.

#### *Potential Point Sources of Groundwater Contamination*

The Idaho Department of Environmental Quality (IDEQ) has performed source water assessments on each of MHAFB's wells. All wells in the MHAFB well field are moderately susceptible to contamination from inorganic chemicals, synthetic organic chemicals, and microbes.

#### *Potential Non-Point Sources of Groundwater Contamination*

The general land use surrounding MHAFB is a combination of both agricultural and small business/residential use. Non-point sources of contamination associated with these land uses are primarily agricultural chemicals including pesticides (insecticides and herbicides) and fertilizers. Additional potential non-point sources within the MHAFB Drinking Water/Wellhead Protection Zone include incorrect usage and disposal of Aqueous Film Forming Foam (AFFF), hazardous household chemicals such as cleaning solvents, used motor oil, and degreasers. Throughout the MHAFB Drinking Water/Wellhead Protection Zone, pesticides and small fuel storage cans used by military family housing may also pose threats to groundwater quality.

#### *Source Water Assessment or Protection Plan Available*

The MHAFB Water Contingency Response Plan was updated and signed in February of 2021. Please contact Mr. Michael McDaniels, Water Program Manager, 366 FW/A7IE, Mountain Home AFB, ID at (208) 828-1761 if you would like more information about the assessment.

#### IV. COMPLIANCE VIOLATIONS

<b>Treatment Techniques:</b>	<b>NONE.</b>
<b>Monitoring/Reporting:</b>	<b>ONE.</b>
	<ul style="list-style-type: none"> <li>- Four Maximum Contaminant Level (MCL) violations were received for Well #9 due to Nitrate levels being higher than the MCL.</li> <li>- One MCL violation was received for Well #4 due to Nitrate levels being higher than the MCL.</li> <li>- One Tier 3–Failure to Monitor–violation was received for Well #4 for not sampling for Volatile Organic Compounds prior to its closure.</li> </ul>
<b>Public Notification/Recordkeeping:</b>	<b>CONDUCTED.</b>
	<ul style="list-style-type: none"> <li>- A “Do Not Drink Order” was posted for Well #9 until 2021.</li> <li>- Tier 3 notifications are reported in this document.</li> <li>- Well #4 was removed from the water distribution system in June 2020 and no longer served the base populace for the remainder of 2020.</li> <li>- Well #2 was removed from the water distribution system and did not serve the base populace for the duration of 2020.</li> </ul>
<b>Special Monitoring Requirements:</b>	<b>CONDUCTED.</b>
	<ul style="list-style-type: none"> <li>- Confirmatory samples required when compliance sample results exceed the MCL.</li> </ul>
<b>Administrative or Judicial Orders:</b>	<b>NONE.</b>
<b>Consent Orders:</b>	<b>NONE.</b>
<b>Notice of Violations (NOV):</b>	<b>NONE.</b>

#### *Monitoring and Reporting of Compliance Data Violations*

MHAFB received five MCL exceedance violations for Nitrates in 2020: four for Well #9 and one for Well #4. Nitrates’ MCL is 10 parts-per-million (ppm); Well #9 exceeded with a measured 29.4 ppm while Well #4 exceeded with a measured 12.1 ppm. MHAFB received one Tier 3–Failure to Monitor–violation for failing to collect VOC samples at Well #4 prior to its closure.

Well #9 is a stand-alone well that only provided water to personnel working in the Air Traffic Control Tower and does not affect the rest of the base population. Bottled water has been provided to personnel working in the Tower and a “Do Not Drink Order” has been posted since 2016 until 2021. Nitrate sampling is conducted quarterly due to historically high nitrate levels at Well #9. As of 2021, Tower personnel no longer require bottled water due to Well 9’s exceedance of Perfluorooctane Sulfonate (PFOS)/Perfluorooctanoic Acid (PFOA) Environmental Protection Agency (EPA) Health Advisory Levels [see Section VI, Health Information, for additional information] and Nitrate standards since the Air Traffic Control Tower has been connected to the water distribution system.

## **V. DEFINITIONS**

### **Action Level (AL):**

The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements, which a water system must follow.

### **Initial Distribution System Evaluation (IDSE):**

IDSE is an important part of the Stage 2 Disinfection By-Products Rule (DBPR). The IDSE is a one-time study conducted by some water systems, providing disinfection or chlorination, to identify distribution system locations with concentrations of Total Trihalomethanes (TTHM) and Haloacetic Acids (HAA5). Water systems use results from the IDSE, in conjunction with Stage 1 DBPR compliance monitoring data, to select monitoring locations for Stage 2 DBPR. MHAFB completed the IDSE in calendar year 2012.

### **Environmental Protection Agency (EPA) Health Advisory:**

EPA has established health advisories for PFOS and PFOA based on the agency's assessment of the latest peer-reviewed science to provide drinking water system operators, and state, tribal and local officials who have the primary responsibility for overseeing these systems, with information on the health risks of these chemicals, so they can take the appropriate actions to protect their residents.

### **Maximum Contaminant Level (MCL):**

The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

### **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 and are non-enforceable public health goals.

### **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 contaminants.

### **Treatment Technique (TT):**

A required process intended to reduce the level of a contaminant in drinking water.

## VI. HEALTH INFORMATION

Some individuals may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 and Prevention (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at 1-800-426-4791 or <https://www.epa.gov/ground-water-and-drinking-water/safe-drinking-water-hotline>

**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 Safe Drinking Water Hotline at 1-800-426-4791 or <https://www.epa.gov/ground-water-and-drinking-water/safe-drinking-water-hotline>

**In order to ensure that tap water is safe to drink**, EPA prescribes regulations which 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.

**Your water is treated by disinfection.** Disinfection involves the addition of chlorine or other disinfectants to kill dangerous bacteria and microorganisms that may be in the water. Disinfection is considered to be one of the major public health advances of the 20th century.

**Contaminants that may be present in source water before treatment** include:

**Microbial contaminants**, such as viruses and bacteria, which 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 storm water 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 storm water runoff, and residential uses.

**Per- and Poly-fluoroalkyl Substances (PFAS) Compounds - Perfluorooctane Sulfonate (PFOS) and Perfluorooctanoic Acid (PFOA)**, which may come from a variety of sources such as firefighting foams, materials used to make carpets, stain and water-repellant fabrics and clothing, food packaging, as well as other materials (e.g., cookware) that are resistant to water, grease or stains.

**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 storm water runoff, and septic systems.

**Radioactive contaminants**, which can be naturally-occurring or be the result of oil and gas production and mining activities.



## VII. WATER QUALITY DATA TABLES

In order to ensure that tap water is safe to drink, the EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. A public water system is only required to report the most recent detections of any contaminant at each representative sampling location. Although many more drinking water contaminants were tested, in order to keep the consumer informed, the tables below list all of the contaminants (during the calendar year of this report unless otherwise noted) that were either:

1. detected;
2. had a violation associated with it;
3. are contaminants that are not sampled on an annual basis.

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 cost prohibitive, and in most cases, would not provide an appreciable increase in protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. The EPA and the State of Idaho may require monitoring for certain contaminants less than once per year since concentrations of these contaminants do not vary significantly from year to year, or the system may not be considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In these tables, you will find terms and abbreviations that may not be familiar to you. To help you better understand these terms, we have provided their descriptions below.

### Terms and Descriptions

Term	Description
ug/L	Number of micrograms of substance in one liter of water
mg/L	Number of milligrams of substance in one liter of water
ppm   mg/L	parts per million, or milligrams per liter (mg/L) [interchangeable]
ppb   µg/L	parts per billion, or micrograms per liter (µg/L) [interchangeable]
ppt   ng/L	parts per trillion, or nanograms per liter (ng/L) [interchangeable]
pCi/L	picocuries per liter (a measure of radioactivity)
positive samples/month	Number of samples taken monthly that were found to be positive
positive samples/year	Number of positive samples taken that year
N/A	Not Applicable
ND	Not Detected
NR	Not Required to Monitor, but recommended.

## Levels of Detected Chemical & Radiological Contaminants and the Potential Health Effects Associated with Long-term Exposure above the MCL

Unless otherwise noted, the data presented in the water quality tables below are from testing done between January 1, 2020 and December 31, 2020.

Contaminant	Most Recent Test	Violation	Your Water		MCL	MCLG	Common Sources of Contaminant in Drinking Water	Potential Health Effects from Long-term Exposure above the MCL
			Lowest Detected	Highest Detected				
Arsenic <i>ppb</i>	May 2020	No	ND	4.9	<b>10</b>	<b>0</b>	Erosion of natural deposits; runoff from orchards, runoff from glass and electronics production wastes	Skin damage or problems with circulatory systems and may have increased risk of getting cancer
Fluoride <i>ppm</i>	Dec 2020	No	ND	1.33 [2016]	<b>4</b>	<b>4</b>	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories	Bone disease (pain/tenderness of the bones); children (usually < 9 years old) may get mottled teeth (dental fluorosis) if exposed above half the MCL routinely. See CDC for additional information: <a href="https://www.cdc.gov/fluoridation/basics/index.htm">https://www.cdc.gov/fluoridation/basics/index.htm</a>
Gross Alpha <i>pCi/L</i>	Nov 2020	No	ND	4.55	<b>15</b>	<b>0</b>	Erosion of natural deposits of certain minerals that are radioactive and may emit alpha radiation	Increased risk of cancer
Nitrate <sup>1</sup> <i>ppm</i>	Dec 2020	No	0.6	2.6 Wells #13/14	<b>10</b>	<b>10</b>	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	Infants < 6 months old who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and methoglobinemia (blue-baby syndrome).
	Sept 2020	Yes		12.1* Well #4				
	Dec 2020	Yes		29.4** Well #9				
Nitrite <sup>1</sup> <i>ppm</i>	Jan 2020	No	ND	ND	<b>1</b>	<b>1</b>	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	Infants < 6 months old who drink water containing nitrite in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and methoglobinemia (blue-baby syndrome).
Radium-226/228 (Combined) <i>pCi/L</i>	Nov 2020	No	ND	1.68	<b>5</b>	<b>0</b>	Erosion of natural deposits	Increased risk of cancer
Trichloroethylene <i>ppb</i>	Dec 2020	No	ND	1.48 [2016]	<b>5</b>	<b>0</b>	Discharge from metal degreasing sites and other industrial operations	Liver problems; increased risk of cancer
Uranium (Combined) <i>ug/L</i>	Nov 2020	No	ND	4	<b>30</b>	<b>0</b>	Erosion of natural deposits	Increased risk of cancer, kidney toxicity

\*Upon sampling results of 12.1 ppm in June 2020, Well #4 was removed from the water distribution system and no longer served the base populace for the remainder of 2020.

\*\*Nitrate sampling result of 29.4 ppm only applied to base personnel that consumed drinking water from Well #9, which only served the Air Traffic Control Tower. Personnel in the Air Traffic Control Tower only consumed bottled water during the 2016-2021 No Drink Order.

<sup>1</sup>Nitrate and Nitrite levels above MCL in drinking water is a potential health risk for infants < 6 months of age as it can cause methoglobinemia (blue baby syndrome). Nitrate and Nitrite levels may rise quickly for short periods of time due to rainfall or agricultural activity. If you are concerned for an infant under your care, please seek advice from your health care provider.

### Levels of Disinfection Byproducts and the Potential Health Effects Associated with Long-term Exposure above the MCL

Contaminant	Date Tested	Violation	Your Water		MCL	MCLG	Common Sources of Contaminant in Drinking Water	Potential Health Effects from Long-term Exposure above the MCL
			Lowest Detected	Highest Detected				
Total Trihalomethanes (TTHM) <i>ppb</i>	July 2020	No	1.22	6.69	80	N/A	Byproduct of drinking water chlorination/disinfection	Liver, kidney, or central nervous system problems; increased risk of cancer
Total Haloacetic Acids (HAA5) <i>ppb</i>	July 2020	No	ND	1	60	N/A	Byproduct of drinking water chlorination/disinfection	Increased risk of cancer

### Levels of Lead and Copper and the Potential Health Effects Associated with Long-term Exposure above the Action Level

Contaminant	Date Tested	Violation	Your Water (80 Samples)		TT Action Level	MCLG	Common Sources of Contaminant in Drinking Water	Potential Health Effects from Long-term Exposure above the MCL
			90 <sup>th</sup> Percentile	# of Sites Above TT				
Lead <sup>2</sup> <i>ppb</i>	May & Oct 2020	No	ND	0	15 <sup>3</sup>	0	Corrosion of household plumbing systems; erosion of natural deposits	<p>Infants and Children who drink water containing Lead in excess of the Action Level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities.</p> <p>Adults who drink water containing Lead in excess of the Action Level over many years could develop kidney problems or high blood pressure.</p>
Copper <sup>2</sup> <i>ppm</i>	May & Oct 2020	No	0.030	0	1.3 <sup>3</sup>	1.3	Corrosion of household plumbing systems; erosion of natural deposits	<p>Copper is an essential nutrient; however, people who drink water containing copper in excess of the Action Level over a short period of time could experience gastrointestinal distress.</p> <p>People who drink water containing copper in excess of the Action Level over many years could suffer liver or kidney damage.</p> <p>People with Wilson's Disease should consult their health care provider if the amount of copper in their water exceeds the Action Level.</p>

<sup>2</sup>Lead and Copper samples were taken in May and October 2020 due to changes in the drinking water distribution system.

<sup>3</sup>Lead and Copper are regulated by a Treatment Technique that requires systems to control the corrosiveness of their water. If more than 10 percent of tap water samples exceed the action level, water systems must take additional steps. For copper, the action level is 1.3 mg/L, and for lead is 0.015 mg/L. *NOTE:* 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. Mountain Home Air Force Base 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>.

**Maximum Residual Disinfectant Levels of Chlorine and the Potential Health Effects Associated with Long-term Exposure above the MCL**

Contaminant	Date Tested	Violation	Your Water		MRDL	MRDLG	Common Sources of Contaminant in Drinking Water	Potential Health Effects from Long-term Exposure above the MCL
			Average	Highest Detected				
Chlorine <i>mg/L</i>	2020	No	0.783	0.954	4	4	Water additive used to control microbes	Eye/nose irritation; stomach discomfort

**Health Advisory for Perfluorooctane Sulfonate (PFOS) and Perfluorooctanoic Acid (PFOA)**

Contaminant	Date Tested	Exceeds EPA Health Advisory?	Your Water		EPA Health Advisory	Comments
			Highest Detected			
PFOS/PFOA <i>ppt</i>	2020	No	0.25 <i>Wells #2/4/12/13/14</i>		70	Well #4 results were 440 ppt in Aug 2016. MHAFB issued a Drinking Water Health Advisory as well as conducted three town hall meetings and provided bottled water to base personnel as an interim control while controls were evaluated. MHAFB leadership shut off Well #4, eliminating the source of the PFOS/PFOA. Since 2018, an ion exchange filtration system has been installed on Well #4 and monthly sample results after filtration have indicated that the treatment system has successfully reduced the PFOS/PFOA contaminants below the EPA Health Advisory Level and less than the limit of detection (LOD). In June 2020, Well #4 was removed from the water distribution system and no longer served the base populace for the remainder of 2020.
		Yes	117* <i>Well #9</i>			In December 2020, MHAFB conducted PFAS sampling at Wells #2/12/13/14 with the highest PFAS concentration being 0.25 ppt. Well #9 is a stand-alone well that only provided water to personnel working in the Air Traffic Control Tower and did not affect the rest of the base population. Tower personnel were already issued bottled water and placed on a "No Drink Order" due to the nitrate levels from Well #9. In December 2020, MHAFB conducted PFAS sampling at Well #9 with the highest PFAS concentration being 117 ppt. Additional health information can be found here: <a href="https://www.atsdr.cdc.gov/pfas/PFAS-health-effects.html">https://www.atsdr.cdc.gov/pfas/PFAS-health-effects.html</a>

\*In August 2016, Well #9 had results above the EPA Health Advisory Level of 70 ppt at 132 ppt. Well #9 only served the Air Traffic Control Tower, was under an active No Drink Order from 2016 through 2021 due to nitrates, and was provided bottled water. Sampling was accomplished again at Well #9 in December 2020 with results exceeding the EPA Health Advisory Level. Well #9 has since been taken offline and the Air Traffic Control Tower has been added to the water distribution system.

## VIII. SPECIFIC CONTAMINANT REQUIREMENTS

Specific requirements of contaminants are listed below the corresponding data tables in the previous section.

## IX. CONTACT INFORMATION:

Contact Name: Bioenvironmental Engineering  
Address: 90 Hope Drive, Bldg. 6003  
Mountain Home AFB, ID 83648  
Phone: (208) 828-7270  
E-Mail: [usaf.mountain-home.366-mdg.mbx.bioenvironmental@mail.mil](mailto:usaf.mountain-home.366-mdg.mbx.bioenvironmental@mail.mil)

### Water Conservation Tips

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? Luckily, there are many low-cost and no-cost ways to conserve water. Small changes can make a big difference – try one today and soon it will become second nature.

- Take short showers - a 5 minute shower uses 4 to 5 gallons of water compared to up to 50 gallons for a bath.
- Shut off water while brushing your teeth, washing your hair and shaving and save up to 500 gallons a month.
- Use a water-efficient showerhead. They're inexpensive, easy to install, and can save you up to 750 gallons a month.
- Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Water plants only when necessary.
- Fix leaky toilets and faucets. Faucet washers are inexpensive and take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank and wait. If it seeps into the toilet bowl without flushing, you have a leak. Fixing it or replacing it with a new, more efficient model can save up to 1,000 gallons a month.
- Adjust sprinklers so only your lawn is watered. Apply water only as fast as the soil can absorb it and during the cooler parts of the day to reduce evaporation.
- Teach your kids about water conservation to ensure a future generation that uses water wisely. Make it a family effort to reduce next month's water bill!
- Visit [www.epa.gov/watersense](http://www.epa.gov/watersense) for more information.