



## Annual Consumer Confidence Report (CCR) Mailing Waiver

<b>Public Water System ID Number</b>	<b>Public Water System Name</b>	
AZ04-08-127	Beaver Dam East DWID	
<b>Regulating Agency</b>	<b>CCR Calendar Year:</b>	<b>CCR Distribution Date:</b>
<input checked="" type="checkbox"/> ADEQ <input type="checkbox"/> MCESD <input type="checkbox"/> PDEQ	2020	6/14/2021

The Public Water System (PWS) named above hereby confirms that customers have been informed that the information contained in its Consumer Confidence Report (CCR) will not be delivered by mail, but published in local newspapers and/or made available upon request per Title 40, Code of Federal Regulations (CFR) § 141.155/Arizona Administrative Code R18-4-117. The PWS also certifies that the information contained in the CCR is correct and consistent with the compliance monitoring data previously submitted to their regulating agency. **The PWS must sign and submit this mailing waiver to their regulating agency within 90 days of distributing the CCR, and no later than October 1st.**

All community water systems must mail or otherwise directly deliver one copy of the report to each customer. Systems serving <10,000 people may opt out of mailing CCRs by meeting the requirements below.

### REQUIREMENTS FOR COMMUNITY WATER SYSTEMS SERVING >500 AND <10,000 PERSONS

THE PWS CERTIFIES THAT ALL OF THE FOLLOWING WERE PERFORMED:

- Inform customers it will not be providing copies of the CCR by mail or other direct delivery methods
- Publish the entire report annually in one (or more) local newspaper or other news media serving areas in which the system's customers are located (**attach a copy of newspaper/article announcement**)
- Make copies of the CCR available to the public upon request
- Keep copies available for a period of three (3) years

### REQUIREMENTS FOR COMMUNITY WATER SYSTEMS SERVING ≤500 PERSONS

THE PWS CERTIFIES THAT ALL OF THE FOLLOWING WERE PERFORMED:

- Inform customers it will not be providing copies of the CCR by mail or other direct delivery methods
- Make copies of the CCR available to the public upon request
- Keep copies available for a period of three (3) years.

*I certify that the above information is true and accurate to the best of my knowledge:*

**Contact Name, Position Title (PRINT)** Robert Norrell      **Phone Number** 928-303-3720  
**Authorized Signature**      **Date** 6/15/2021



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## Consumer Confidence Report for Calendar Year **2020**

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

<b>Public Water System ID Number</b>	<b>Public Water System Name</b>		
AZ04-08-127	Beaver Dam East DWID		
<b>Contact Name and Title</b>	<b>Phone Number</b>	<b>E-mail Address</b>	
Monte Kuddes/AC	702-271-2927	beaverdameast@gmail.com	
<p>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 Monte Kuddes at beaverdameast@gmail.com for additional opportunity and meeting dates and times.</p>			

### 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.

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.

**Our water source(s):** WL-55-532015 Our well is located in the Upper Colorado River Basin Watershed

### Drinking Water Contaminants

**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 that 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:** Such as agriculture, urban storm water runoff, and residential uses that may come from a variety of sources

**Organic Chemical Contaminants:** Such as synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and also may come from gas stations, urban storm water runoff, and septic systems.

**Radioactive Contaminants:** That can be naturally occurring or be the result of oil and gas production and mining activities.



## 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 from 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 *Cryptosporidium* and microbiological contaminants call the EPA *Safe Drinking Water Hotline* at 1-800-426-4791.

## Source Water Assessment

- This PWS did not receive a SWAP because the PWS was either inactive at the time or the PWS did not exist. Further source water assessment documentation can be obtained by contacting ADEQ.

## Definitions

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

**Level 1 Assessment:** A study of the water system to identify potential problems and determine (if possible) why total coliform bacteria was present

**Level 2 Assessment:** A very detailed study of the water system to identify potential problems and determine (if possible) why an *E. coli* MCL violation has occurred and/or why total coliform bacteria was present

**Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment, or other requirements

**Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water

**Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health

**Maximum Residual Disinfectant Level (MRDL):** The level of disinfectant added for water treatment that may not be exceeded at the consumer's tap

**Maximum Residual Disinfectant Level Goal (MRDLG):** The level of disinfectant added for treatment at which no known or anticipated adverse effect on health of persons would occur

**Minimum Reporting Limit (MRL):** The smallest measured concentration of a substance that can be reliably measured by a given analytical method

**Millirems per year (MREM):** A measure of radiation absorbed by the body

**Not Applicable (NA):** Sampling was not completed by regulation or was not required

**Not Detected (ND or <):** Not detectable at reporting limit

**Nephelometric Turbidity Units (NTU):** A measure of water clarity

**Million fibers per liter (MFL)**

**Picocuries per liter (pCi/L):** Measure of the radioactivity in water

**ppm:** Parts per million or Milligrams per liter (mg/L)

**ppb:** Parts per billion or Micrograms per liter (µg/L)

**ppt:** Parts per trillion or Nanograms per liter (ng/L)      ppm x 1000 = ppb

**ppq:** Parts per quadrillion or Picograms per liter (pg/L)      ppb x 1000 = ppt  
ppt x 1000 = ppq

## Lead Informational Statement:

Lead, in drinking water, is primarily from materials and components associated with service lines and home plumbing. If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. **Beaver Dam East DWID** 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. 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 [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead).

## Water Quality Data – Regulated Contaminants



Microbiological (RTCR)	TT Violation Y or N	Number of Positive Samples	Positive Sample(s) Month & Year	MCL	MCLG	Likely Source of Contamination	
E. Coli	N	0	NA	0	0	Human and animal fecal waste	
Fecal Indicator (From GWR source) (coliphage, enterococci and/or E. coli)	N	0	NA	0	0	Human and animal fecal waste	
Disinfectants	MCL Violation Y or N	Running Annual Average (RAA)	Range of All Samples (Low-High)	MRDL	MRDLG	Sample Month & Year	Likely Source of Contamination
Chlorine/Chloramine (ppm)	N	0.17	0.1-0.25	4	4	2020	Water additive used to control microbes
Disinfection By-Products	MCL Violation Y or N	Running Annual Average (RAA) OR Highest Level Detected	Range of All Samples (Low-High)	MCL	MCLG	Sample Month & Year	Likely Source of Contamination
Haloacetic Acids (HAA5) (ppb)	N	ND	ND	60	N/A	08/2020	Byproduct of drinking water disinfection
Total Trihalomethanes (TTHM) (ppb)	N	ND	ND	80	N/A	08/2020	Byproduct of drinking water disinfection
Lead & Copper	MCL Violation Y or N	90 <sup>th</sup> Percentile	Number of Samples Exceeds AL	AL	ALG	Sample Month & Year	Likely Source of Contamination
Copper (ppm)	N	.19	0	1.3	1.3	06/2018	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb)	N	1.8	0	15	0	06/2018	Corrosion of household plumbing systems; erosion of natural deposits
Radionuclides	MCL Violation Y or N	Running Annual Average (RAA) OR Highest Level Detected	Range of All Samples (Low-High)	MCL	MCLG	Sample Month & Year	Likely Source of Contamination
Alpha Emitters (pCi/L) (This is Gross Alpha 4000)	N	6.3	6.3	15	0	09/2018	Erosion of natural deposits
Inorganic Chemicals (IOC)	MCL Violation Y or N	Running Annual Average (RAA) OR Highest Level Detected	Range of All Samples (Low-High)	MCL	MCLG	Sample Month & Year	Likely Source of Contamination
Arsenic <sup>1</sup> (ppb)	N	7	7	10	0	09/2018	Erosion of natural deposits, runoff from orchards, runoff from glass and electronics production wastes
Barium (ppm)	N	0.029	0.029	2	2	09/2018	Discharge of drilling wastes; discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	N	0.57	0.57	4	4	09/2018	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate <sup>2</sup> (ppm)	N	1.4	1.4	10	10	05/2020	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium (ppm)	N	140	140	N/A	N/A	09/2018	Erosion of natural deposits
<p><sup>1</sup> Arsenic is a mineral known to cause cancer in humans at high concentration and is linked to other health effects, such as skin damage and circulatory problems. If arsenic 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, and continues to research the health effects of low levels of arsenic.</p> <p><sup>2</sup> Nitrate 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.</p>							
Synthetic Organic Chemicals (SOC)	MCL Violation Y or N	Running Annual Average (RAA) OR Highest Level Detected	Range of All Samples (Low-High)	MCL	MCLG	Sample Month & Year	Likely Source of Contamination
Di (2-ethylhexyl) phthalate (ppb)	N	0.8	0.8	6	0	09/2018	Discharge from rubber and chemical factories

**Violation Summary (for MCL, MRDL, AL, TT, or Monitoring & Reporting Requirement)**

<b>Violation Type</b>	<b>Explanation, Health Effects</b>	<b>Time Period</b>	<b>Corrective Actions</b>
Reporting	2 <sup>nd</sup> Qtr Chlorine Residuals were not reported by deadline. No health effects	2 <sup>nd</sup> Qtr 2020	Reports submitted
Reporting	CCR was not turned in on time. No health effects	7/1/20-7/20/20	Submitted

Please share this information with other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.