2022 Consumer Confidence Report						
Water System Name:	Aemetis Properties, Riverbank	Report Date: 03/22/23				
		equired by state and federal regulations. This report shows the results of ecember 31, 2022 and may include earlier monitoring data.				
		n muy importante sobre su agua para beber. Riverbank a (209) 869-4384 para asistirlo en español.				
Type of water source(s)						
Name & general location	of source(s): Well #5 and We	ell #6 at 5300 Claus Rd. Riverbank, CA				
Drinking Water Source A	Assessment information: Compl	leted in 2002 and 2003 - see last page.				
Time and place of regula	rly scheduled board meetings for publ	lic participation: None				
For more information, co	ontact: Roy Fife	Phone: (209) 869-4384				
	TERMS USE	D IN THIS REPORT				
of a contaminant that is al MCLs are set as close t economically and techno MCLs are set to protect t drinking water.	Level (MCL): The highest level lowed in drinking water. Primary o the PHGs (or MCLGs) as is ologically feasible. Secondary he odor, taste, and appearance of Level Goal (MCLG): The level	 Primary Drinking Water Standards (PDWS): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements. Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the 				
of a contaminant in drinki	ng water below which there is no b health. MCLGs are set by the	MCL levels. Treatment Technique (TT) : A required process intended to reduce the level of a contaminant in drinking water.				
Public Health Goal (PHG) : The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.		Regulatory Action Level (AL) : The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.				
Maximum Residual Dis highest level of a disinfe	infectant Level (MRDL): The ctant allowed in drinking water. nce that addition of a disinfectant	Variances and Exemptions: State Board permission to exceed an MCL or not comply with a treatment technique under certain conditions.ND: not detectable at testing limit				
Maximum Residual Disi The level of a drinking there is no known or expe	nfectant Level Goal (MRDLG) : water disinfectant below which cted risk to health. MRDLGs do the use of disinfectants to control	 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) pCi/L: picocuries per liter (a measure of radiation) 				

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.

Contaminants that may be present in source water include:

- *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, that 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, that are by-products of industrial and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- Radioactive contaminants, that can be naturally-occurring or be the result of oil and gas production and mining activities.

SWS CCR Form

In order to ensure that tap water is safe to drink, the U.S. EPA and the State Board prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health.

Tables 1, 2, 3, 4, 5, and 6 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old.

Microbiological	Highest	ING KESUI	113 SHUW		IECHU		IFORM BACTERIA
Contaminants	No. of Detections		Months plation	MCL		MCLG	Typical Source of Bacteria
E. Coli	0		0	(a)		0	Human and animal fecal waste
<i>E. coli</i> -positive routine sa	imple or system	m fails to an	alyze total c	oliform-positi	ve repeat	sample for E	 ils to take repeat samples following <i>c. coli</i> . CAD AND COPPER
IABL	LE 2 - SAMP		90th		DETECT	ION OF LF	AD AND COPPER
Lead and Copper (and reporting units)	Sample Date	No. of Samples Collected	Percentile Level Detected	No. Sites Eexceeding AL	AL	PHG	Typical Source of Contaminant
Lead (ppb)	08/13/20	5	< 5	0	15	0.2	Internal corrosion of household wate plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	08/13/20	5	0.08	0	1.3	0.3	Internal corrosion of household plumbing systems; erosion of natura deposits; leaching from wood preservatives
	TABL	E 3 – SAM I	PLING RES	SULTS FOR S	SODIUM	AND HAR	DNESS
Chemical or Constituent (and reporting units)	Sample Date			Range of etections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	11/08/17	29		29 - 29	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	11/08/17	175		170 - 180		None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

*Any violation of an MCL, MRDL, AL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

TABLE 4 – DE	TECTION O	DF CONTAM	INANTS WI	TH A <u>PRIN</u>	<u>AARY</u> DRIN	NKING WATER STANDARD		
Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant		
Nitrate as Nitrogen (ppm)	2022	5	4 - 6	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits		
Barium (ppm)	11/17/20	0.1	0.1 - 0.1	1	2	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits		
Gross Alpha (pCi/l)	2016-2022	4	< 3 - 7	15	0	Erosion of natural deposits		
Uranium (pCi/l)	2016-2022	3	< 3 - 6	20	0.4	Erosion of natural deposits		
Arsenic (ppb)	11/17/20	3	3 - 3	10	0.004	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes		
TABLE 5 – DET	ECTION OF	CONTAMIN	NANTS WIT	'H A <u>SECO</u> I	<u>NDARY</u> DR	INKING WATER STANDARD		
Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	SMCL	PHG (MCLG)	Typical Source of Contaminant		
Total Dissolved Solids (ppm)	11/08/17	290	280 - 300	1000	N/A	Runoff/leaching from natural deposits		
Specific Conductance (umho/cm)	11/08/17	475	470 - 480	1600	N/A	Substances that form ions when in water; seawater influence		
Chloride (ppm)	11/08/17	25	24 - 26	500	N/A	Runoff/leaching from natural deposits; seawater influence		
Sulfate (ppm)	11/08/17	9	9 - 10	500	N/A	Runoff/leaching from natural deposits' industrial wastes		
Turbidity (NTU)	11/08/17	0.2	0.1 - 0.2	5	N/A	Soil runoff		
	TABLE	E 6 - DETECT	ION OF AD	DITIONAL	L CONTAM	INANTS		
Chemical or Constituent (and reporting units)	Sample Date	Range of Detections	· /	Health Effects Language				
Distribution System Chlorine Residual (ppm)	2022	0.3 - 0.5	(4)	Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort.				
Distribution System Total Trihalomethanes (ppb)	07/14/22	2	80	Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience liver, kidney, or central nervous system problems, and may have an increased risk of getting cancer.				

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Additional General Information on 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 U.S. EPA's Safe Drinking Water Hotline (1-800-426-4791).

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. U.S. 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 Drinking Water Hotline.

Nitrate as Nitrogen in drinking water at levels above 10 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate-N levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

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. Aemetis Properties, Riverbank 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/lead.

Vulnerability Assessment Summary

A source water assessment was conducted for Well #6 of the Aemetis Properties (Riverbank LRA) water system in June of 2002 and Well #5 of the Aemetis Properties (Riverbank LRA) water system in May of 2003. The sources are considered most vulnerable to the following activities not associated with any detected contaminants: chemical/petroleum processing / storage, military installations, injection wells / dry wells / sumps, and animal feeding operations. For more information regarding the assessment summary, contact: Roy Fife at (209) 869-4384.