



# Locloman Water Association

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## Water System Update for the Year 2022

This report is a look back at last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. We are committed to providing you with information because informed consumers are our best allies. Also included is the link to the Water Use Efficiency report online.

## Source Water Assessment and Availability

Our water comes from one well drawing from an aquifer at 377 feet below the surface. It is a very pristine source as most wells in the area deal with iron and manganese issues that stain clothing. No treatment is required for this source. This well provides water to 59 homes in our neighborhood. We have installed a generator backup to keep the water running for you when the power is out.

In 2019 we began drawing water from our new well, which supplies the same quality water. With new pump and control components, we should maintain better water pressure throughout the neighborhood.

## How can I get involved?

We each own 1/59<sup>th</sup> of this water system. Anytime we have a repair we look to you for help. We do not have a maintenance crew, only those on the board and a state certified operator to keep the system running safely.

## Why are there contaminants in my drinking water?

In order to ensure that tap water is safe to drink, the Environmental Protection Agency (EPA) prescribes regulations that limit the number of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

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 (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. 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, 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.
- 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, that can be naturally occurring or be the result of oil and gas production and mining activities.

## **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).

## **Contamination from Cross - Connections**

Cross connections that could contaminate drinking water are a major concern. A cross connection is formed at any point where a drinking water line connects to equipment, systems containing chemicals (air conditioning systems), fire sprinkler systems, irrigation systems, or water sources of questionable quality. Cross connection contamination can occur when the pressure in the equipment or system is greater than the pressure inside the drinking water line (backpressure). Contamination can also occur when the pressure in the drinking water line drops due to routine occurrences (line breaks, heavy water demand, power outages), causing contaminants to be drawn into the drinking water line (back siphonage).

Outside water taps and garden hoses tend to be the most common sources of cross connection contamination at home. The garden hose creates a hazard when submerged in a swimming pool or when attached to a chemical sprayer for weed killing. Fertilizers, cesspools, or garden chemicals may contaminate garden hoses left lying on the ground and connected to the water tap.

Community water supplies are continually jeopardized by cross connections unless appropriate valves, known as backflow prevention devices, are installed, and maintained. For more information, visit the web site of the American Backflow Prevention Association at [www.abpa.org](http://www.abpa.org) for a discussion on current issues.

## **Water Conservation**

Conservation is important. If you wash your car, please use a nozzle that will shut off. Installing low flow shower heads and drip irrigation for the flowers will help to meet our goals. The EPA has created a website with lots of water conservation information and tips. It can be located here:

<https://www.epa.gov/watersense>

## Water Quality Data

The table on this page lists all of the drinking water contaminants that we tested for during the calendar year 2022 or the last testing date. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. 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 change frequently.

### Terms & abbreviations used in this table:

- 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 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 treatment technology.
- Lab MDA: Minimum detectable amount.
- Action Level (AL): the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- n/a: not applicable
- ND: not detectable at testing limit
- ppb: parts per billion • ug/L: micrograms per liter
- ppm: parts per million or milligrams per liter
- pCi/L: picocuries per liter (a measure of radiation)
- MFL: millions of fibers per liter( Asbestos)

Microbiological Contaminants	MCL	MCLG	Your Water	Units	Sample Date	Violation	Typical Source of Contaminant
Total Coliform (positive samples/month)	1	0	0		Monthly	No	Naturally present in the environment.
<b>Inorganic Contaminants</b>							
Nitrate (as nitrogen)	10mg/L		ND	mg/L	9/9/22	No	Run off from fertilizer use
Arsenic	0.01		0.0230	mg/L	9/13/22	Yes	Naturally present in the environment
Asbestos	7 MFL		<0.113	MFL	6/23/17	No	Asbestos cement pipe
Barium	2 mg/L		0.035	mg/L	9/13/23	No	
<b>Radionuclide Analysis Report</b>	<b>Lab MDA</b>	<b>MCL</b>	<b>Your Water</b>	<b>Units</b>	<b>Sample Date</b>	<b>Action</b>	<b>Typical Source of Contaminant</b>
Radium 228 904.0	1.0	5	<0.369	pCi/L	9/14/20	No	Decay of natural and man-made deposits.
Gross Alpha	3.0	15.	<3.00	pCi/L	4/13/21	No	Decay of natural deposits
<b>Volatile Organic chemicals</b>			<b>Results</b>	<b>Units</b>	<b>Sample Date</b>	<b>Action</b>	<b>Typical Source of Contaminant</b>
VOC test panel EPA method 524.2			ND	ug/L	9/13/22	No	Contamination of ground water source
<b>Synthetic Organic Compounds</b>				ug/L	<b>Sample Date</b>	<b>Action</b>	<b>Typical Source of Contaminant</b>
Pesticides			ND		9/13/22	No	Contamination from run off
Herbicides			ND		9/13/22	No	Contamination from run off
<b>Lead &amp; Copper # of samples</b>	<b># exceeding action level</b>				<b>Sample Date</b>	<b>Action</b>	<b>Typical Source of Contaminant</b>
5	0		ND		06/22/22	No	Plumbing fixture decay
<b>Secondary Inorganic Contaminants</b>		<b>MCL</b>	<b>Your Water</b>	<b>Units</b>	<b>Sample Date</b>	<b>Action</b>	<b>Typical Source of Contaminant</b>
Total Dissolved Solids	700		110	mg/L	9/13/22	No	Naturally present
Manganees	0.050		0.110	mg/L	9/13/22	No	Naturally present in the environment
Iron	0.3		0.03	Mg/L	9/13/22	No	Naturally present in ground water

### Water Quality questions?

Contact Tom Cunningham, certified operator 5610, WDM3, WTPO4, CCS  
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