

CITY OF VICTORVILLE WATER DEPARTMENT

2019 Consumer Confidence Report

Issued May 2020



GOOD TASTING HIGH QUALITY WATER SUPPLY

Our water comes from a local underground basin called the Alto Subarea of the Upper Mojave River Basin that is known for its good taste. It provides more than seven billion gallons of water each year to the residents we serve.

We purchase additional well water from the Mojave Water Agency that also comes from wells in the Alto Subarea that are replenished with imported water.

Our water is delivered through a system of 35 wells and a large system of pipelines, pumps, reservoirs, treatment plants, and other facilities.

See the inside pages to learn more about the high quality water we deliver to you.



CITY COUNCIL

Gloria Garcia, Mayor

Rita Ramirez, Mayor Pro Tem

Jim Cox, Council Member

Blanca Gomez, Council Member

Debra Jones Council Member

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (U.S. EPA) and the State Water Resources Control Board (State Water Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Water Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

MORE INFORMATION ABOUT 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 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).

ADVICE FOR IMMUNO-COMPROMISED PERSONS

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 (1-800-426-4791).

INFORMATION ABOUT WATER QUALITY

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 byproducts of industrial processes 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.

DRINKING WATER SOURCE ASSESSMENT AND PROTECTION PROGRAM

A source water assessment was conducted for all wells of Victorville Water District that supply drinking water to customers. The assessment, in compliance with California water quality regulations, assists the District in identifying potential sources of contamination, and to develop methods to protect the water supply. All new wells are subjected to an assessment before being placed into service.

According to the assessment, the underground aquifer that is the source of supply for the District's wells is potentially vulnerable to contamination from a variety of sources, including: commercial, industrial, and residential sewer collection systems; high and low density septic systems; mall parking lots; high density housing; other water supply wells; storm drain discharge points; fleet, truck, and bus terminals; injection wells, dry wells, and sumps; RV and mini storage; transportation corridors, including freeways, state highways, roads, and streets, contractor and government agency equipment storage yards; gas stations; hardware, lumber, and parts stores; other water supply wells; automobile repair shops; monitoring, test, injection, and dry wells, sumps; and motor pools.

The District regularly monitors the water quality in all groundwater wells supplying water to District customers and there have been no detected contaminants from the sources listed above.

A copy of the complete assessment(s) is/are available for public inspection at the Public Works/Water counter located on the second floor of Victorville City Hall by contacting Water Supply Supervisor, Arnold Villarreal at (760) 955-2993 or at the State Water Resources Control Board Division of Drinking Water, SWRCB-DDW, San Bernardino District Office located at 464 West Fourth Street, Suite 437, San Bernardino, CA. 92401. You may request a summary of the assessment(s) be sent to you by contacting the State Water Resources Control Board-Division of Drinking Water, SWRCB-DDW.



VICTORVILLE WATER DISTRICT: RESULTS OF 2019 DRINKING-WATER-QUALITY TESTS

The District tests for hundreds of substances. The tables on these pages list substances detected in your drinking water in 2019. As the charts show, very few substances could even be detected.

Inorganic Contaminants							
	VVWD Average	VVWD Range	MCL	PHG (MCLG)	Violation	Major Sources in Drinking Water	
Arsenic* (ppb)	7.9	0-10	10	0.004	NO	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes	
Total Chromium (ppb)	6.2	0- 19	50	100	NO	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits	
Chromium 6 (ppb)	5.6	0- 22	50	.02	NO	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, textile manufacturing facilities, erosion of natural deposits	
Fluoride (ppm)	0.58	0-.70	2.0	1	NO	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories	
Nitrate (as No3) (ppm)	0.99	0 - 2.3	10	10	NO	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits	
Disinfection Byproducts							
	VVWD Average	VVWD Range	MCL	PHG (MCLG)	Violation	Major Sources in Drinking Water	
Total Trihalomethanes (TTHMs) (ppb)	2.9	0 - 13	80	n/a	No	By-product of drinking water chlorination	
Total Haloacetic Acid (HAA5) (ppb)	1.3	0 - 2.0	60	n/a	No	By-product of drinking water chlorination	
Disinfectants							
	VVWD Average	VVWD Range	MRDL	MRDLG	Violation	Major Sources in Drinking Water	
Chlorine (ppm)	0.78	.44 - 1.04	4	4	NO	Drinking water disinfectant added for treatment	
Lead and Copper							
	# of Samples	90th Percentile Level Detected	Sites over AL	AL	PHG	Major Sources in Drinking water	
Lead (total) (ppb)	34	none	N/D	N/D	1.3	0.03	Customer Household Plumbing
Copper (total) (ppb)	34	none	N/D	N/D	0.015	0.0002	Customer Household Plumbing
Regulated Contaminants with Secondary MCLs							
	VVWD Average	VVWD Range	Secondary MCL	Violation	Typical Source of Contaminant		
Chloride (ppm)	11.07	.3- 55	500	NO	Runoff/leaching from natural deposits; seawater influence		
Specific Conductance (Micromhos)	259.2	180-620	1600	NO	Substances that form ions when in water; seawater influence		
Sulfate (ppm)	25.63	5.1 - 140	500	NO	Runoff/leaching from natural deposits; industrial wastes		
Total Dissolved Solids (ppm)	160	110-360	1000	NO	Runoff/leaching from natural deposits		
Turbidity (NTU)	1.1	0-4.2	5	NO	Soil runoff		
Unregulated Parameters That May be of Interest to Consumers							
	VVWD Average	VVWD Range	MCL	PHG (MCLG)	Notification Level		
Alkalinity (ppm)	93.48	64-160	N/S	N/S			
Calcium (ppm)	12.7	1.8-67	N/S	N/S			
Hardness (ppm)	38.57	5.4-210	N/S	N/S			
Magnesium (ppm)	3.23	1.2-11	N/S	N/S			
Potassium (ppm)	1.6	1.0-3	N/S	N/S			
Sodium (ppm)	44.12	21-67	N/S	N/S			
Microbiological Contaminants							
	Highest No. of Detections	No. of Months in Violation	MCL		MCLG	Typical Source of Bacteria	
Total Coliform Bacteria	0	0	More than 5% of Monthly Samples are Positive		0	Naturally present in the Environment	
Fecal Cliform or E. Coli	0	0	A routine Sample and a repeat sample detect total coliform and either sample also detects fecal coliform or E. Coli.		0	Human and Animal fecal waste	

While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The U.S. Environmental Protection Agency continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

2019 – IMPORTED WATER FROM MOJAVE WATER AGENCY

This report includes results from several tests for various constituents. Mojave Water Agency routinely monitors for constituents in the Agency's drinking water in accordance with Federal and State laws. Substances that are not detected (ND) are not listed. Values accompanied by < indicate a result less than the detection limit. The results below represent drinking water quality tests performed by Mojave Water Agency on the R3 wholesale water system and represents water produced from wells 1, 2, 3, 4, & 5. These wells provide high quality drinking water through service connections to the cities of Victorville and Hesperia upon request.

Contact your local water provider for detailed information on your water quality and where your water comes from.

Inorganic w/ Primary Drinking Water Standards							Wells 1,2,3,4, & 5
Contaminants	Average	Sample Range	MCL	PHG	Sample Date	Violation	Major Sources in Drinking Water
Fluoride (mg/L) (Naturally Occurring)	0.28	0.25-0.32	2	1	2019	NO	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate as N (mg/L) (NO ₃ -N)	0.54	0.46-0.65	10	10	2019	NO	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate + Nitrite (mg/L) (as N)	0.54	0.46-0.65	10	10	2019	NO	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Radioactive Contaminants							Wells 1,2,3,4, & 5
Uranium (pCi/L)	0.72	<10-1.3	20	0.43	2019	NO	Erosion of natural deposits
Radium 226 + 228 (PCi/L)	<1.0	<1.0-1.8	5	0	2019	NO	Erosion of natural deposits
Disinfectant Byproducts				Sample results are from the distribution system from Wells 1,2,3,4, & 5			
"Haloacetic Acids (ug/L) (HAA5)"	<1.0	<1.0-18	60	N/A	2019	NO	Byproduct of drinking water disinfection
"Total Trihalomethanes (ug/L) (TTHM)"	8.5	<1.0-30.3	80	N/A	2019	NO	Byproduct of drinking water disinfection
Regulated Contaminants with Secondary Maximum Contaminant Levels							Wells 1,2,3,4, & 5
Contaminants	Average	Sample Range	Secondary MCL	Sample Date	Violation	Major Sources in Drinking Water	
Chloride (mg/L)	22	18-25	500	2019	NO	Runoff/leaching from natural deposits; seawater influence	
Odor (units)	1	1	3	2019	NO	Naturally occurring organic materials	
Specific Conductance (pS/cm)	240	220 - 250	1600	2019	NO	Substances that form ions when in water; seawater influence	
Sulfate (mg/L)	15	13-17	500	2019	NO	Runoff/leaching from natural deposits; industrial wastes	
Total Dissolved Solids (mg/L)	146	130-170	1000	2019	NO	Runoff/leaching from natural deposits	
Turbidity (NTU)	<0.10	<0.10-0.60	5	2019	NO	Soil runoff	
Disinfection Residual				Sample results are from the distribution system from Wells 1,2,3,4, & 5			
Constituent	Average	Sample Range	MCL	PHG(MCLG)	Sample Date	Major Sources in Drinking Water	
Chlorine (mg/L)	0.49	0.12-1.23	4	4	Weekly	Drinking water disinfectant added for treatment	
Unregulated Contaminants							Wells 1,2,3,4, & 5
Contaminants	Average	Sample Range	MCL	PHG(MCLG)	NL	Sample Date	Major Sources in Drinking Water
Vanadium (ug/L)	<3.0	<3.0-32	None	None	50	2019	Vanadium is a naturally occurring "rare earth" element that is found in the earth's crust
Constituents that may be of interest to consumers							Wells 1,2,3,4, & 5
Contaminants	Average	Range	Sample Date	Note			
Bicarbonate (mg/L)	86	81-89	2019	No PHG or MCL's available			
Calcium (mg/L)	27	24-30	2019	No PHG or MCL's available			
Magnesium (mg/L)	4.2	3.5-4.9	2019	No PHG or MCL's available			
pH	7.5	7.4-7.7	2019	No PHG or MCL's available			
Potassium (mg/L)	1.5	1.3-1.6	2019	No PHG or MCL's available			
Sodium (mg/L)	15	14-16	2019	No PHG or MCL's available			
Total Alkalinity (as CaCO ₃) (mg/L)	70	67-73	2019	No PHG or MCL's available			
Total Hardness (as CaCO ₃) (mg/L)	86	73-96	2019	No PHG or MCL's available			
Aggressive Index	11.21	11.09-11.34	2019	No PHG or MCL's available			

ABBREVIATIONS AND DEFINITIONS TO HELP YOU UNDERSTAND THIS REPORT

These abbreviations and definitions of water-quality goals and standards will help you better understand the water-quality information in this report.

The information shows how your water compares to requirements established by state and federal regulators to safeguard public health.

Maximum Contaminant Level (MCL):

The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of 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. MCLGs are set by the U.S. Environmental Protection Agency.

mg/L: For the definition, see PPM to the right.

Maximum Residual Disinfectant Level (MRDL):

The level of a disinfectant added for water treatment that may not be exceeded at the consumer's taps.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDLGs are set by the U.S. Environmental Protection Agency.

Micromhos per cm (uS/cm): A measure of conductivity.

N/A: Not applicable.

Notification Level (NL): The concentration of a contaminant which, if exceeded, triggers notification to local political jurisdictions and customers.

N/S: No Standard.

ND: Not Detected.

Notification Level (NL): The concentration of a contaminant which, if exceeded, triggers notification to local political jurisdictions and customers.

NTU: Nephelometric turbidity unit.

uS/cm: a measure of conductance.

pCi/L: Pico curies per liter, a measure of radiation.

Primary Drinking Water Standard (PDWS):

MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements and water treatment requirements.

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.

PPB or ug/L: Parts per billion, or micrograms per liter. 1 PPB is equal to about one drop in 17,000 gallons of water.

PPM (parts per million), or mg/L (milligrams per liter): 1 PPM or 1 mg/L is equal to about one drop in 17 gallons of water.

Regulatory Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Secondary Drinking Water Standard: Requirements that ensure appearance, taste, and smell of drinking water are acceptable.

Secondary MCLs (SMCL): Are set to protect the odor, taste, and appearance of drinking water.

Unregulated Contaminants: Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. For additional information, call the Safe Drinking Water Hotline at (800) 426-4791.

<: Less than the detection limit.

Radon is an unregulated chemical, therefore, there are no State drinking water standards for radon in California. Radon was detected at Wells 2-5 during the initial sampling in 2010 with results ranging from 479- 89 pCi/L and an average of 546 pCi/L. All wells were below the U.S. EPA MCL advisory level of 4,000 pCi/L. Radon is a radioactive gas that you cannot see, taste, or smell, and is found throughout the U.S. Radon can move up through the ground and into a home through cracks and holes in the foundation. Radon can build up to high levels in all types of homes. Radon can also get into indoor air when released from tap water from showering, washing dishes, and other household activities. Compared to radon entering the home through soil, radon entering the home through tap water will in most cases be a small source of radon in indoor air. Radon is a known human carcinogen. Breathing air containing radon can lead to lung cancer. Drinking water containing radon may also cause increased risk of stomach cancer. If you are concerned about radon in your home, test the air in your home. Testing is inexpensive and easy. You should pursue radon removal for your home if the level of radon in your air is 4 picocuries per liter of air (pCi/L) or higher. There are simple ways to fix a radon problem that are not too costly. For additional information, contact the radon program at radonprogram@cdph.ca.gov (email) or 1-800-745-7236, the U.S. EPA Safe Drinking Water Act Hotline, 1-800-426-4791 or the National Safety Council Radon Hotline, 1-800-767-7236.

OUR FOCUS IS ON HELPING YOU REDUCE WATER CONSUMPTION! HERE'S HOW WE DO IT!

ADDRESSES ENDING WITH: 0, 2, 4, 6, OR 8 WATERING DAYS ARE: <div style="background-color: #003366; color: white; padding: 5px; font-weight: bold; font-size: 1.2em;">TUE THU SAT</div>	ADDRESSES ENDING WITH: 1, 3, 5, 7 OR 9 WATERING DAYS ARE: <div style="background-color: #006633; color: white; padding: 5px; font-weight: bold; font-size: 1.2em;">WED FRI SUN</div>	<table style="width: 100%; border: none;"> <tr> <td style="border: none;">WINTER HOURS</td> <td style="border: none;">SUMMER HOURS</td> </tr> <tr> <td style="border: none;">OCT-MAY</td> <td style="border: none;">JUN-SEP</td> </tr> <tr> <td style="border: none;">9:00 AM-3:00 PM</td> <td style="border: none;">10:00 PM-6:00 AM</td> </tr> </table>	WINTER HOURS	SUMMER HOURS	OCT-MAY	JUN-SEP	9:00 AM-3:00 PM	10:00 PM-6:00 AM
WINTER HOURS	SUMMER HOURS							
OCT-MAY	JUN-SEP							
9:00 AM-3:00 PM	10:00 PM-6:00 AM							



POTABLE WATER SHOULD NOT BE USED IN FOUNTAINS OR WATER FEATURES UNLESS THE WATER IS RE-CIRCULATED



PREVENT WATER RUN-OFF TO ADJACENT PROPERTIES, ROADWAYS & ANY NON-IRRIGATED AREAS WHEN WATERING LANDSCAPES



WASHING OF VEHICLES IS ONLY ALLOWED AT COMMERCIAL CAR WASHES OR LICENSED MOBILE CAR WASHES, NOT IN YOUR DRIVEWAY



REPAIR CONTROLLABLE LEAKS IN YOUR YARD AS SOON AS POSSIBLE



HOTEL & MOTEL MGT. TO GIVE GUESTS A CHOICE TO SAVE WATER BY SKIPPING DAILY LINEN & TOWEL EXCHANGE & PROMINENTLY DISPLAYING THIS OPTION IN EACH GUEST ROOM



DO NOT WASH PAVED SURFACES LIKE SIDEWALKS, DRIVEWAYS & STUCCO EXCEPT IF IT IS A SAFETY OR SANITATION HAZARD



NO WATERING OF YARDS DURING AND AFTER 48 HOURS OF MEASURABLE RAINFALL

City of Victorville
Conservation Division
(866) 955-4426

WaterConserve@VictorvilleCA.gov
www.VictorvilleCA.gov/conserve



CITY OF VICTORVILLE WATER DISTRICT

14343 Civic Drive, Victorville, CA 92392-5887 • 760/955/5000 General Information • VictorvilleCA.gov

How to Get Involved

City Council Meetings are always open to the public. They are held at the Victorville City Hall 14343 Civic Drive in Victorville on the first and third Tuesdays of each month at 7:00 p.m.

Please Call With Your Questions

For more information about your water quality, call Arnold Villarreal, our Water Supply Supervisor, at 760/955-2993 between 7:00 a.m. and 4:00 p.m. Monday through Thursday.

En Español

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.