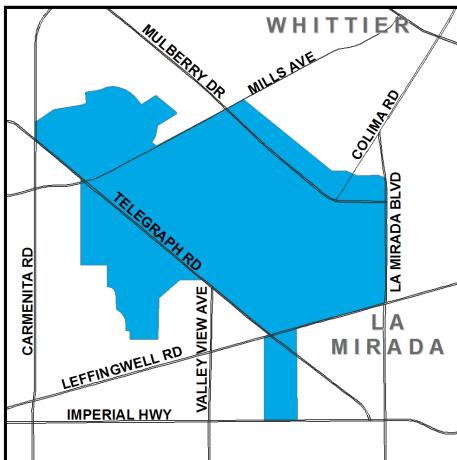


ORCHARD DALE WATER DISTRICT

2021 CONSUMER CONFIDENCE REPORT

Since 1991, California water utilities have been providing information on water served to its consumers. This report is a snapshot of the tap water quality that we provided last year. Included are details about where your water comes from, how it is tested, what is in it, and how it compares with state and federal limits. We strive to keep you informed about the quality of your water, and to provide a reliable and economic supply that meets all regulatory requirements.

Where Does My Tap Water Come From?



Your tap water comes from local deep groundwater wells that supply our service area shown on the adjacent map. The quality of groundwater delivered to your home is presented in this report.

How is My Drinking Water Tested?

Your drinking water is tested regularly for unsafe levels of chemicals, radioactivity and bacteria at the source and in the distribution system. We test weekly, monthly, quarterly, annually or less often depending on the substance. State and federal laws allow us to test some substances less than once per year because their levels do not change frequently. All water quality tests are conducted by specially trained technicians in state-certified laboratories.

What Are Drinking Water Standards?

The U.S Environmental Protection Agency (USEPA) limits the amount of certain substances allowed in tap water. In California, the State Water Resources Control Board (State Water Board) regulates tap water quality by enforcing limits that are at least as stringent as the Federal EPA's. Historically, California limits are more stringent than the Federal ones.

There are two types of these limits, known as standards. Primary standards protect you from substances that could potentially affect your health. Secondary standards regulate substances that affect the aesthetic qualities of water. Regulations set a Maximum Contaminant Level (MCL) for each of the primary and secondary standards. The MCL is the highest level of a substance that is allowed in your drinking water.

Public Health Goals (PHGs) are set by the California Environmental Protection Agency. PHGs provide more information on the quality of drinking water to customers, and are similar to their federal counterparts, Maximum Contaminant Level Goals (MCLGs). PHGs and MCLGs are advisory levels that are non-enforceable. Both PHGs and MCLGs are concentrations of a substance below which there are no known or expected health risks.

How Do I Read the Water Quality Table?

Although we test for over 100 substances, regulations require us to report only those found in your water. The first column of the water quality table lists substances detected in your water. The next columns list the average concentration and range of concentrations found in your drinking water. Following are columns that list the MCL and PHG or MCLG, if appropriate. The last column describes the likely sources of these substances in drinking water.

To review the quality of your drinking water, compare the highest concentration and the MCL. Check for substances greater than the MCL. Exceedence of a primary MCL does not usually constitute an immediate health threat. Rather, it requires testing the source water more frequently for a short duration. If test results show that the water continues to exceed the MCL, the water must be treated to remove the substance, or the source must be removed from service.

Why Do I See So Much Coverage in the News About the Quality Of Tap Water?

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, including 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, which 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, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the USEPA and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The State Board regulations also 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 USEPA's Safe Drinking Water Hotline (1-800-426-4791). You can also get more information on tap water by logging on to these helpful web sites:

- <https://www.epa.gov/ground-water-and-drinking-water/safe-drinking-water-information>
(USEPA's web site)
- https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Chemicalcontaminants.html
(State Board web site)

If present, elevated levels of lead can cause serious health problem, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Orchard Dale Water District 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>.

Should I Take Additional Precautions?

Some people 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. The USEPA/Centers for Disease Control guidelines on appropriate means to lessen the risk of infection of *Cryptosporidium* and other microbial contaminants are available from the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Source Water Assessment

Orchard Dale Water District purchases its groundwater from La Habra Heights County Water District. The La Habra Heights County Water District conducted an assessment of its groundwater supplies in 2003. Groundwater supplies are considered most vulnerable to surface water recreational areas, chemical/petroleum pipelines, and other animal operations. A copy of the approved assessment may be obtained by contacting Orchard Dale Water District 13819 East Telegraph Road, Whittier, CA 90604 or by calling the office at (562) 941-0114.

How Can I Participate in Decisions On Water Issues That Affect Me?

The public is welcome to attend Board meetings the fourth Wednesday of each month at 6:00 p.m. at the District's office located at 13819 East Telegraph Road, Whittier, CA 90604.

How Do I Contact My Water Agency If I Have Any Questions About Water Quality?

If you have specific questions about your tap water quality, please contact Randall Silvett at (562) 941-0114.

Some Helpful Water Conservation Tips

- Fix leaky faucets in your home – save up to 20 gallons every day for every leak stopped
- Save between 15 and 50 gallons each time by only washing full loads of laundry
- Adjust your sprinklers so that water lands on your lawn/garden, not the sidewalk/driveway – save 500 gallons per month
- Use organic mulch around plants to reduce evaporation – save hundreds of gallons a year
- Never let the water run while brushing your teeth or shaving. – save 35 gallons a week per person
- Visit <http://www.epa.gov/watersense> for more information.

Visit us at: www.ODWD.ORG

ORCHARD DALE WATER DISTRICT

2021 CONSUMER CONFIDENCE REPORT

Results are from the most recent testing performed in accordance with state and federal drinking water regulations

PRIMARY STANDARDS MONITORED AT THE SOURCE-MANDATED FOR PUBLIC HEALTH					
ORGANIC CHEMICALS (µg/l)	GROUNDWATER		RANGE (a)	PRIMARY MCL (a)	MCLG or PHG (a)
	AVERAGE (a)	RANGE (a)			
INORGANICS Sampled from 2019 to 2021 (b)					
Aluminum (mg/l) (I)	0.014	ND - 0.057	1	0.6 (c)	Erosion of natural deposits; residue from surface water treatment processes. Some people who drink water containing aluminum in excess of the MCL over many years may experience short-term gastrointestinal tract effects.
Arsenic (µg/l)	3.0	2.4 - 3.7	10	0.004 (c)	Erosion of natural deposits; glass/electronics production wastes; runoff
Fluoride (mg/l)	0.2	0.2 - 0.3	2.0	1 (c)	Erosion of natural deposits; water additive that promotes strong teeth
Nitrate (mg/l as N)	3.9	2.9 - 4.6	10	10 (c)	Runoff and leaching from fertilizer use / septic tanks / sewage, natural erosion
RADIOLOGICAL - (pCi/l) (Sampled from 2019 to 2021) (b)					
Gross Alpha	ND	ND	15	0	Erosion of natural deposits
Radium 226	ND	ND	5 (n)	0.05	Erosion of natural deposits
Radium 228	ND	ND	20	0.019	Erosion of natural deposits
Uranium	1.7	ND - 3.4		0.5 (c)	Erosion of natural deposits
PRIMARY STANDARDS MONITORED IN THE DISTRIBUTION SYSTEM - MANDATED FOR PUBLIC HEALTH					
MICROBIALS CONTAMINANTS	Highest No. of Detections (In a month)	No. of Months in Violation 0	MCL	MCLG	
Total Coliform Bacteria	1	1 positive monthly sample (a)	0	Naturally present in the environment	
Fecal Coliform and E.Coli Bacteria	0	0	0	None	Human and animal fecal waste
(a) For systems collecting fewer than 40 samples per month; two or more positive monthly samples is a violation of the total coliform MCL					
DISINFECTION BY-PRODUCTS (d) AND DISINFECTION RESIDUALS					
Trihalomethanes-TTHM/S (µg/l)	AVERAGE 12.5	RANGE 5.4 - 15.0	MCL 80	MCLG or PHG -	By-product of drinking water chlorination
Haloacetic Acids (µg/l)	2.2	1.5 - 2.6	60	-	By-product of drinking water disinfection
Total Chlorine Residual (mg/l)	0.7	0.3 - 1.2	4.0 (e)	4.0 (f)	Drinking water disinfectant added for treatment
AT THE TAP PHYSICAL CONSTITUENTS 30 sites sampled in 2021					
Copper (mg/l) (K)	AVERAGE 0.33 (g)	# OF SITES ABOVE THE AL 0	PRIMARY MCL 1.3 AL	MCLG or PHG 0.3 (c)	Internal corrosion of household plumbing, erosion of natural deposits
Lead (µg/l) (J) (K)	ND (g)	0	15 AL	0.2 (c)	Internal corrosion of household plumbing, industrial manufacturer discharges.
SECONDARY STANDARDS MONITORED AT THE SOURCE-FOR AESTHETIC PURPOSES					
Sampled in 2019-2021 (b)					
AGGRESSIVENESS INDEX (CORROSION)	AVERAGE 12.2	RANGE 12.1 - 12.3	SECONDARY MCL Non-corrosive	MCLG or PHG -	Natural/industrially-influenced balance of hydrogen/carbon/oxygen in water
Aluminum (µg/l) (I)	14.3	ND - 57	200	600 (c)	Erosion of natural deposits, surface water treatment process residue
Chloride (mg/l)	107.5	100 - 110	500	-	Runoff/leaching from natural deposits, seawater influence
Color (color units)	1	ND - 4.0	15	-	Naturally-occurring organic materials
Iron (ug/l)	235	ND - 470	300	-	Leaching from natural deposits; industrial waste
Manganese (µg/l)	5.3	ND - 21.0	50	-	Leaching from natural deposits
Odor (threshold odor number)	0.5	ND - 1.0	3	-	Naturally-occurring organic materials.
Specific Conductance (µS/cm)	977.5	910 - 1100	1,600	-	Substances that form ions when in water, seawater influence
Sulfate (mg/l)	139.5	98 - 180	500	-	Runoff/leaching from natural deposits, industrial wastes
Total Dissolved Solids (mg/l)	592.5	560 - 620	1,000	-	Runoff/leaching from natural deposits
Turbidity (NTU)	0.7	ND - 1.6	5	-	Soil runoff
SECONDARY STANDARDS MONITORED IN THE DISTRIBUTION SYSTEM-FOR AESTHETIC PURPOSES					
GENERAL PHYSICAL CONSTITUENTS	AVERAGE	RANGE	SECONDARY MCL	MCLG or PHG	
Color (Color units)	<3.0	<3.0 - 5.0	15	-	Naturally-occurring organic materials
Odor (threshold odor number)	1.0	1	3	-	Naturally-occurring organic materials
Turbidity (NTU)	0.1	<0.1 - 0.7	5	-	Soil runoff

ADDITIONAL CHEMICALS OF INTEREST

GROUNDWATER		
	AVERAGE	RANGE
Alkalinity (mg/l)	182.5	160 - 210
Calcium (mg/l)	93.3	70 - 110
1,4-Dioxane (ug/l) (i)	1.0	ND - 1.6
Magnesium (mg/l)	18.8	15 - 22
pH (standard unit)	7.3	7.0 - 7.5
Potassium (mg/l)	5.1	4.9 - 5.3
Sodium (mg/l) (MCL=None)	72.5	66 - 79
Total Hardness (mg/l) (MCL=None)	340.0	310 - 380

FOOTNOTES

- (a) Over 50 regulated and unregulated organic chemicals were analyzed. None were detected at or above the reporting limit in the groundwater sources.
- (b) Indicates dates sampled for groundwater sources only.
- (c) California Public Health Goal (PHG). Other advisory levels listed in this column are Federal Maximum Contaminant Level Goals (MCLGs)
- (d) Running annual average used to calculate average, range, and MCL compliance.
- (e) Maximum Residual Disinfectant Level (MRDL)
- (f) Maximum Residual Disinfectant Level Goal (MRDLG)
- (g) 90th percentile from the most recent sampling at selected customer taps.
- (h) Combined Radium 226 + Radium 228 has a Maximum Contaminant Level (MCL) of 5 pCi/L.
- (i) The Notification Level of 1 ug/l for 1,4-Dioxane was exceeded in two wells in 2021. Some people who use water containing 1,4-dioxane in excess of the Notification Level over many years may experience liver or kidney problems and may have an increased risk of getting cancer, based on studies in laboratory animals.
- (j) **Lead Sampling in Schools:** Recent events in the United States have shown that lead in drinking water remains an on-going public health concern, particularly for children. Lead rarely occurs naturally in California's drinking water sources, but may become present when water passes through older plumbing fixtures or solder containing lead that connects plumbing. In 2019, three schools in the service area requested lead sampling at their school with one sample detected due to an older fixture.
- (k) **Total Colloform Rule Monitoring Violation.** Our water system failed to monitor as required for drinking water standards during the past year and therefore, was in violation of the regulations. We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During October 2021, we did not monitor in accordance with our approved Bacteriological Sample Sitting Palm for repeat bacteriological samples for total coliform and therefore can not be sure of the quality of our drinking water during that time. Please refer to the **Tier 3 Public Notice included in this CCR** for further information.
- (l) Aluminum has primary and secondary standards.

PERFLUORODECANOIC ACID (PFDA) (ng/l)	0.4	ND - 2.2
PERFLUOROBUTANE SULFONIC ACID (PFBS) (ng/l)	7.29	5.5 - 10
PERFLUOROHEPTANOIC ACID (PFHxA) (ng/l)	1.56	ND - 3.5
PERFLUOROHEXANE SULFONIC ACID (PFHxS) (ng/l)	5.53	3.5 - 7.6
PERFLUOROHEXANOIC ACID (PFHxA) (ng/l)	4.88	ND - 12
PERFLUORONONANOIC ACID (PFNA) (ng/l)	2.66	2.2 - 3.2
PERFLUOROOCTANE SULFONIC ACID (PFOS) (ng/l)	28.86	20 - 39
PERFLUOROOCTANOIC ACID (PFOA) (ng/l)	11.86	6.1 - 15.0

Notification of PFOA/PFOS: PFOA and PFOS are manmade fluorinated organic chemicals that are part of a larger group of chemicals referred to as per- and poly-fluoroalkyl substances (PFASs). These substances have been synthesized for water and lipid resistance and have been used extensively in consumer products such as carpets, clothing, fabrics for furniture, paper packaging for food, and other materials (e.g., cookware) designed to be waterproof, stain-resistant or non-stick. In addition, they have been used in fire-retarding foam and various industrial processes. In May 2016, the United States Environmental Protection Agency (U.S. EPA) issued a lifetime health advisory for PFOS and PFOA for drinking water, advising municipalities that they should notify their customers of the presence of levels over 70 parts per trillion (ppt) or nanograms per liter (ng/l) in community water supplies. The recommended interim notification levels (NLs) OEHHA provided to SWRCB in July 2018 was 13 ug/l for PFOS and 14 ug/l for PFOA. **In August 2019, State Water Resources Control Board, Division of Drinking Water (DDW), revised the notification levels to 6.5 ppt for PFOS and 5.1 ppt for PFOA.** The single health advisory response level (for the combined values of PFOS and PFOA) remained at 70 ppt. Perfluorobutane sulfonic acid exposures resulted in decreased thyroid hormone in pregnant female mice. Exposure to PFOA and PFOS over certain levels may result in adverse health effects, including developmental effects to fetuses during pregnancy or to breastfed infants (e.g., low birth weight, accelerated puberty, skeletal variations), cancer (e.g., testicular, kidney, liver effects (e.g., tissue damage), immune effects (e.g., antibody production and immunity), thyroid effects and other effects (e.g., cholesterol changes)." **PFHxS** - Perfluorohexane Sulfonic Acid is part of the group of Perfluorochemicals (PFCs). PFHxS, PFOS and PFOA share similar chemical structure and uses (i.e., surface treatment agents for textiles, paper, and furniture etc. for its excellent waterproofing and oil-resistance performance).

ABBREVIATIONS

- < = less than
- mg/l = milligrams per liter or parts per million (equivalent to 1 drop in 42 gallons)
- NTU = nephelometric turbidity units
- SI = saturation index
- NA = constituent not analyzed
- pCi/l = picocuries per liter (a measure of radiation)
- uS/cm = microSiemens per centimeter
- ND = constituent not detected at the testing limit
- ng/l = nanograms per liter or parts per trillion (equivalent to 1 drop in 42,000,000 gallons)
- ug/l = micrograms per liter or parts per billion (equivalent to 1 drop in 42,000 gallons)

DEFINITIONS

- 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 allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- Maximum Residual Disinfectant Level (MRDL):** The highest level of a disinfectant allowed in drinking water. MRDLGs are set by the U.S. Environmental Protection Agency.
- Notification Level:** The level at which notification of the public water system governing body is required. A health-based advisory level for an unregulated contaminant.
- 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.
- Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.
- Regulatory Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
- Primary Drinking Water Standard (PDWS):** MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.
- Secondary Drinking Water Standard (SDWS):** MCLs and MRDLs for contaminants that affect the aesthetic qualities (taste, odor, or appearance) of drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.
- Variances & Exemptions:** State Water Board permission to exceed an MCL or not comply with a treatment technique under certain conditions.

UNREGULATED CONTAMINANT MONITORING REGULATION (UCMR-4)

The Safe Drinking Water Act requires the Environmental Protection Agency (EPA) to identify unregulated contaminants for potential regulations. Every five years, EPA identifies a list of unregulated contaminants to be monitored for by the nation's water utilities over a three year period. This occurred in 2018-2020 with the fourth UCMR (UCMR-4). Orchard Dale Water District has monitored for a total of 30 chemical contaminants from its wells along with a corresponding sampling from the distribution system reflecting water from each well. Once EPA has obtained this occurrence data nationally, they are required to determine if there is a meaningful opportunity for increased health protection of drinking water by regulating these contaminants. The findings from this monitoring are reported in this year's Consumer Confidence Report.

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

(The following two sentences are in Spanish relaying information on the importance of this notice. Translated to English, it would read as follows: [This notice contains important information regarding your drinking water, please read the Spanish notice if it is included. If the Spanish notice is not included, please contact the water system and ask for a copy.])

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

Monitoring Requirements Not Met for Orchard Dale Water District

Our water system failed to monitor as required for drinking water standards during the past year and, therefore, was in violation of the regulations. Even though this failure was not an emergency, as our customers, you have a right to know what you should do, what happened, and what we did to correct this situation.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During October 2021, we did not monitor in accordance with our approved Bacteriological Sample Siting Plan for repeat bacteriological samples for total coliform and therefore, cannot be sure of the quality of our drinking water during that time.

What should I do?

- There is nothing you need to do at this time.
- The table below lists the contaminant(s) we did not properly test for during the last year, how many samples we are required to take and how often, how many samples we took, when samples should have been taken, and the date on which follow-up samples were (or will be) taken.

Contaminant	Required Sampling Frequency	Number of Samples Taken	When All Samples Should Have Been Taken	When Samples Were or Will Be Taken
Distribution Total Coliform	Within 24 hours of a total coliform positive sample	One	October 7, 2021	

- If you have health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

We did not monitor in accordance with our approved Bacteriological Sample Plan for repeat samples during October 2021. While we did attempt to take samples at the proper locations, obstructions were in the way of taking these samples. There was a new gate installed that blocked us from taking the downstream and the upstream spigot was spraying which would have given the District a bad sample. These sample locations are at customers' houses not District owned properties. Therefore, we had to adjust two locations within the five services upstream and downstream of the normal sample station. The District pulled three samples in total which is required by the Total Revised Coliform Rule. Those samples all came back **negative** for coliform as well as E-coli. The District did not get permission to take these samples from the SWRCB Engineer, and that is where we violated the monitoring plan. We will institute permanent internal control mechanism(s) to ensure that all bacteriological samples are collected per the approved plan.

For more information, please contact Mr. Ed Castaneda OR Randall Silvett at (562)-941-0114 or Orchard Dale Water District at 13819 East Telegraph Road, CA 90604.

Please share this information with all the 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 public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(9)]:

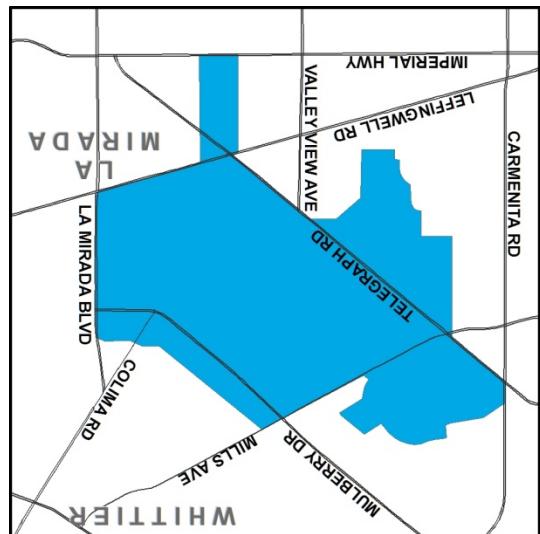
- SCHOOLS: Must notify school employees, students, and parents (if the students are minors).
- RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS (including nursing homes and care facilities): Must notify tenants.
- BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS: Must notify employees of businesses located on the property.

This notice is being sent to you by **Orchard Dale Water District**.

State Water System ID#: **1910101**

Date distributed: July 1 2022

ORCHARD DALE WATER DISTRICT 2021 CONSUMER CONFIDENCE REPORT



This report contains very important information about your drinking water. To obtain a copy in Spanish, call (562) 941-0114. Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o háble con alguien que lo entienda bien. Para obtener una copia en Español, llame a (562) 941-0114.

Understands it. To obtain a copy in Spanish, call (562) 941-0114. Esta información contiene información muy importante sobre su agua potable. Tradúzcalo o háble con alguien que lo entienda bien. Para obtener una copia en Español, llame a (562) 941-0114.

ORCHARD DALE WATER DISTRICT
13819 EAST TELEGRAPH ROAD
WHITTIER, CA 90604

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Dennis Azevedo

Vice President

Joseph Velasco III

Director



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Denise Dolor
Director

Edward Castaneda
General Manager