


## Consumer Confidence Report Certification Form

(To be submitted with a copy of the CCR)

Water System Name:	Rancho Pauma Mutual Water Company
Water System Number:	3710012

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 5/3/2023 to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the State Water Resources Control Board, Division of Drinking Water (DDW).

Certified by:

Name: Eric Steinlicht	Title: General Manager
Signature: 	Date: 5/3/2023
Phone number: (760) 742-1909	

To summarize report delivery used and good-faith efforts taken, please complete this page by checking all items that apply and fill-in where appropriate:

- ☒ CCR was distributed by mail or other direct delivery methods (attach description of other direct delivery methods used). A notice will be mailed to all paying consumers, referring to the URL where the Consumer Confidence Report is located.
- ☐ CCR was distributed using electronic delivery methods described in the Guidance for Electronic Delivery of the Consumer Confidence Report (water systems utilizing electronic delivery methods must complete the second page).
- ☐ "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:
  - ☐ Posting the CCR at the following URL:  
<https://www.ranchopaumamwc.com/consumer-confidence-2022>
  - ☐ Mailing the CCR to postal patrons within the service area (attach zip codes used)
  - ☐ Advertising the availability of the CCR in news media (attach copy of press release)
  - ☐ Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of newspaper and date published)
  - ☐ Posted the CCR in public places (attach a list of locations)
  - ☐ Delivery of multiple copies of CCR to single-billed addresses serving several persons, such as apartments, businesses, and schools

- ☐ Delivery to community organizations (attach a list of organizations)
- ☐ Publication of the CCR in the electronic city newsletter or electronic community newsletter or listserv (attach a copy of the article or notice)
- ☐ Electronic announcement of CCR availability via social media outlets (attach list of social media outlets utilized)
- ☐ Other (attach a list of other methods used)
- ☐ For systems serving at least 100,000 persons: Posted CCR on a publicly-accessible internet site at the following URL: www.\_\_\_\_\_
- ☐ For privately-owned utilities: Delivered the CCR to the California Public Utilities Commission

### **Consumer Confidence Report Electronic Delivery Certification**

*Water systems utilizing electronic distribution methods for CCR delivery must complete this page by checking all items that apply and fill-in where appropriate.*

- ☒ Water system mailed a notification that the CCR is available and provides a direct URL to the CCR on a publicly available website where it can be viewed (attach a copy of the mailed CCR notification).  
URL: <https://www.ranchopaumamwc.com/consumer-confidence-2022>
- ☒ Water system emailed a notification that the CCR is available and provides a direct URL to the CCR on a publicly available site on the Internet where it can be viewed (attach a copy of the emailed CCR notification).  
URL: <https://www.ranchopaumamwc.com/consumer-confidence-2022>
- ☐ Water system emailed the CCR as an electronic file email attachment.
- ☐ Water system emailed the CCR text and tables inserted or embedded into the body of an email, not as an attachment (attach a copy of the emailed CCR).
- ☐ Requires prior DDW review and approval. Water system utilized other electronic delivery method that meets the direct delivery requirement.

*Provide a brief description of the water system's electronic delivery procedures and include how the water system ensures delivery to customers unable to receive electronic delivery.*

Rancho Pauma Mutual Water Company mailed a 2022 CCR Notification Flyer to the customers currently receiving mail, the remaining customers that have requested emailed notifications were sent a 2022 CCR Notification Flyer.

# Rancho Pauma Mutual Water Company

## 2022 Consumer Confidence Report

The Consumer Confidence Report, or CCR, is an annual water quality report that the Safe Drinking Water Act (SDWA) requires Rancho Pauma MWC to provide you with. The purpose of the CCR is to raise customers awareness of the quality of their drinking water, where their drinking water comes from and the importance of protecting drinking water sources.

In the past years, Rancho Pauma MWC has mailed its customers a printed copy of the CCR to comply with the SDWA. On February 21, 2013, the California Department of Public Health, now the California State Water Resources Control Board expanded its interpretation of the SDWA to allow for electronic delivery of the CCR. The electronic delivery method will allow Rancho Pauma MWC to reduce the consumption of paper, printing, and mailing costs.

This notice contains instructions for you to obtain important information about your drinking water. Translate it or speak with someone who understands it.

*Este reporte contiene las instrucciones mas recientes para obtener informacion importante sobre su agua potable. Traducir, o hablar con alguien que lo entienda.*

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To view your 2022 Consumer Confidence Report and to learn more about your drinking water, please visit the following URL:

**<https://www.ranchopaumamwc.com/consumer-confidence-2022>**

If you would like a paper copy of the 2022 CCR mailed to you or would like to speak with someone about the report, please call (760) 742-1909.

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# WATER QUALITY REPORT: 2022 Rancho Pauma Mutual Water Co.

*We test the drinking water quality for many constituents as required by State and Federal Regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2022 and may include earlier monitoring data.*

Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse Rancho Pauma Mutual Water Company a (760) 742-1909 para asistirlo en español.

**Type of water sources in use:** RPMWC relies on local groundwater.

**Name & location of source:** RPMWC receives all of its water from 6 domestic wells.

**Drinking Water Source Assessment information:** Drinking Water Source Assessments have been completed for your drinking water in 2002, 2007, 2014, 2015, 2016, 2017, 2018, 2019, 2019, 2020, 2021 and in 2022. The sources are considered most vulnerable to the following activities not associated with any detected contaminants: Sewer collection systems, agricultural/irrigation wells, paved roads, pesticide/fertilizer/petroleum storage, wastewater treatment plants, an airstrip, and maintenance /fueling areas. For more information regarding the Drinking Water Source Assessments please contact the Division of Drinking Water (DDW) at (619) 525-4159.

**Time and place of regularly scheduled board meetings:** Board meetings are held every other month in the company's boardroom, located at 33129 Cole Grade Road, Pauma Valley, CA. Meetings are open to the shareholders.

**For more information, contact:** Eric Steinlicht, General Manager, phone: (760) 742-1909

## TERMS USED IN THIS REPORT

**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 (U.S. EPA).

**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.

**Maximum Residual Disinfectant Level (MRDL):** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**Maximum Residual Disinfectant Level Goal (MRDLG):** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs

**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 MCL levels.

**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.

**Variances and Exemptions:** Permissions from the State Water Resources Control Board (State Board) to exceed an MCL or not comply with a treatment technique under certain conditions.

**Level 1 Assessment:** A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

**Level 2 Assessment:** A Level 2 assessment is 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 have been found in our water system on multiple occasions.

**ND:** not detectable at testing limit

**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)

do not reflect the benefits of the use of disinfectants to control microbial contaminants.

**Primary Drinking Water Standards (PDWS):** MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

**ppq:** parts per quadrillion or picogram per liter (pg/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 storm water 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 processes and petroleum production, and can also come from gas stations, urban storm water 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 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 1,2,3,4,5,6 & 7 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. Any violation of an AL, MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

**TABLE 1 – SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA**

Microbiological Contaminants (completed if bacteria detected)	Highest No. of detection ns	No. of Months In violation	MCL	MCLG	Typical Source of Bacteria
E. coli (Federal Revised Total Coliform Rule)	(In a year)  0	0	Routine and repeat samples are total coliform-positive, and either is E. coli-positive, or system fails to take repeat samples following E. coli-positive routine sample or system fails to analyze total coliform-positive repeat sample for E. coli.	0	Human and animal fecal waste

**TABLE 2 – SAMPLING RESULTS SHOWING THE DETECTION LEAD AND COPPER**

Lead and Copper (Tested every 3 years. Data is from 2022)	Sample Date	No. of samples collected	90 <sup>th</sup> percentile level detected	No. of sites exceeding Action Level	Action Level	PHG	Typical Source of Contaminant
Lead (ug/L)	6/2022	11	7.5	0	15	0.2	Internal corrosion of household plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
	9/2022	20	0.75	0			
Copper (mg/L)	6/2022	11	*2.2	3	1.3	0.3	Internal corrosion of household plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
	9/2022	20	*1.6	3			

**TABLE 3 – SAMPLING RESULTS FOR SODIUM AND HARDNESS**

Chemical or Constituent (and reporting units)	Sample date	Level Detected (average)	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (mg/L)	2022	55	ND - 60	NA	NA	Salt present in the water is generally naturally occurring
Hardness (mg/L)	2022	367	ND - 480	NA	NA	Sum of polyvalent cations present in the water, generally magnesium and calcium are naturally occurring

**TABLE 4 – DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD**

<b>Chemical or Constituent (and reporting units)</b>	<b>Sample date</b>	<b>Level Detected (average)</b>	<b>Range of Detections</b>	<b>MCL</b>	<b>PHG (MCLG)</b>	<b>Typical Source of Contaminant</b>
Gross Alpha (pCi/L)	2022	3.84	2.14 - 5.95	15	(0)	Erosion of natural deposits
Barium (ug/L)	2022	77	N/A	1000	2000	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Fluoride (mg/L)	2022	0.21	N/A	2	1	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (as N) (mg/L)	2022	2.09	.98 - 3.8	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Selenium (ug/L)	2022	7.9	N/A	50	30	Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines and chemical manufactures; runoff from livestock lots (feed additive)
Uranium (pCi/L)	2022	2.85	2.78 - 2.91	20	1	Naturally found in very amounts in the form of minerals. Rocks, soil, surface and underground water, air, plants, and animals all contain varying amounts of uranium.
Chlorine (ppm)	2021	1.39	1.28 - 1.54	4	(4)	Drinking water disinfectant added for treatment
TTHMs (Total Trihalomethanes) (ppb)	2022	1	N/A	80	NA	Byproduct of drinking water disinfection
HAA5 (Haloacetic Acids) (ppb)	2022	0	N/A	60	NA	Byproduct of drinking water disinfection

**TABLE 5 – DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD**

<b>Chemical or Constituent (and reporting units)</b>	<b>Sample date</b>	<b>Level Detected (average)</b>	<b>Range of Detections</b>	<b>MCL</b>	<b>PHG</b>	<b>Typical Source of Contaminant</b>
Total Dissolved Solids (mg/L)	2022	525	390 - 660	1000	NA	Runoff/leaching from natural deposits
Chloride (mg/L)	2022	100	80 - 120	500	NA	Runoff/leaching from natural deposits; seawater influence
Sulfate (mg/L)	2022	81	N/A	500	NA	Runoff/leaching from natural deposits; industrial wastes
Specific Conductance (µS/cm)	2021	970	N/A	1600	NA	Substances that form ions when in water; seawater influence



**TABLE 6 – DETECTION OF UNREGULATED CONTAMINANTS**

Chemical or Constituent (and reporting units)	Sample date	Level Detected (average)	Range of Detections	Notification Level	Health Effects Language
Hexavalent Chromium (mg/L)	2017	1.2	ND – 3.8	10	Naturally occurring element found in rocks, animals, plants, soil and volcanic dust and gases

**Summary Information for a Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement**

Action Level	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
Copper action level exceedance.	Copper testing was performed in June and September 2022 at 20 homes within the RPMWC district resulting in 6 Copper AL exceedances.	June to September 2022.	Bi-annual testing to be performed at 20 homes within district boundaries.	Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time may experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years may suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor."

**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 (1-800-426-4791).

**Lead-Specific Language:** 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. Rancho Pauma Mutual Water Company 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 (1-800-426-4791) or at <http://www.epa.gov/lead>.

Nitrate 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 infants blood to carry oxygen, resulting in serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate 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.