

# 2018 Consumer Confidence Report

Water System Name: **Paradise Valley Mutual Water Company**

Report Date: **March 15, 2019**

*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 to December 31, 2018 and may include earlier monitoring data.*

**Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse Paradise Valley Mutual Water Company a 38180 Paradise Drive #12, Mountain Center, CA 92561 (951) 659-2313 para asistirlo en español.**

**这份报告含有关于您的饮用水的重要讯息。请用以下地址和电话联系 Paradise Valley Mutual Water Company 以获得中文的帮助: 38180 Paradise Drive #12, Mountain Center, CA 92561 (951) 659-2313.**

**Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa Paradise Valley Mutual Water Company o tumawag sa 38180 Paradise Drive #12, Mountain Center, CA 92561 (951) 659-2313 para matulungan sa wikang Tagalog.**

**Báo cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ Paradise Valley Mutual Water Company tại 38180 Paradise Drive #12, Mountain Center, CA 92561 (951) 659-2313 để được hỗ trợ giúp bằng tiếng Việt.**

**Tsab ntawv no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau Paradise Valley Mutual Water Company ntawm 38180 Paradise Drive #12, Mountain Center, CA 92561 (951) 659-2313 rau kev pab hauv lus Askiv.**

Type of water source(s) in use: **Wells**

Name & general location of source(s): **Vault Well #1 and Hill Well #2 Located I the Indian Hills Estates Subdivision in Riverside County, Mountain Center, California**

Drinking Water Source Assessment information: **Information is on file with the Department of Environmental Health, County of Riverside, California. (760) 863-7570. Assessment completed in February 2002. The sources are considered most vulnerable to the following activities not associated with any detected contaminants: Septic systems-low density. There have been no contaminants detected in the water supply; however, the source is still considered vulnerable to activities located near the drinking water source.**

Time and place of regularly scheduled board meetings for public participation: **Quarterly meetings are held in January, April, July, and October with exact date and location posted on community message board ten days prior to the meeting.**

For more information, contact: **John F. Kozlik**

Phone: **(951) 659-2313**

## 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 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.

**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:** State Board permission 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)

**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 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.

**In order to ensure that tap water is safe to drink**, the U.S. EPA 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. State Board regulations 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. 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 (complete if bacteria detected)	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria (state Total Coliform Rule)	(In a month) 1	0	1 positive monthly sample	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i> (state Total Coliform Rule)	(In the year) 0	0	A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or <i>E. coli</i> positive	0	Human and animal fecal waste
<i>E. coli</i> (federal Revised Total Coliform Rule)	(In the year) 0	0	(a)	0	Human and animal fecal waste

(a) 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*.

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

Lead and Copper (complete if lead or copper detected in the last sample set)	Sample Date	No. of Samples Collected	90 <sup>th</sup> Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	No. of Schools Requesting Lead Sampling	Typical Source of Contaminant
Lead (ppb)	6/21/18	5	ND	0	15	0.2	Not Applicable	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	6/21/18	5	ND	0	1.3	0.3	Not applicable	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

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

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	July 2017 Jan. 2018	80	77-82	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	July 2017 Jan. 2018	23	19-27	None	None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

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

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Toluene (ug/L)	2018	0.375	ND-0.75	150	150	Discharge from petroleum and chemical factories; underground gas tank leaks.
Nitrate (mg/L)	2018	0.34	ND-0.68	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits.
Arsenic (mg/L)	July 2017 Jan. 2018	5.25	2.9-7.6	10	0.004	Erosion of natural deposits.
Fluoride (mg/L)	July 2017 Jan. 2018	0.85	0.5-1.2	2	1	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
*Aluminum (ug/L)	July 2017 2018	848	ND-3,800	1,000	600	Erosion of natural deposits.
Gross Alpha (pCi/L)	2018	1.32	ND-3.31	15	0	Erosion of natural deposits.

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

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	SMCL	PHG (MCLG)	Typical Source of Contaminant
MBAS (ug/L)	July 2017 Jan. 2018	40	ND-80	500	N/A	Municipal and industrial waste discharge.
Sulfate (mg/L)	July 2017 Jan. 2018	8.7	8.0-9.4	500	N/A	Runoff/leaching from natural deposits; industrial wastes.
Chloride (mg/L)	July 2017 Jan. 2018	28	26-30	500	N/A	Runoff/leaching from natural deposits; seawater influence.
Specific Conductance (umho/cm)	July 2017 Jan. 2018	390	390	1600	N/A	Substances that form ions when in water; seawater influence.
Total Dissolved Solids TDS (mg/L)	July 2017 Jan. 2018	235	230-240	1000	N/A	Runoff/leaching from natural deposits.
*Aluminum (ug/L)	July 2017 2018	848	ND-3,800	200	N/A	Erosion of natural deposits.
*Iron (ug/L)	July 2017 2018	1008	ND-4,600	300	N/A	Leaching from natural deposits.
Turbidity (NTU)	July 2017 Jan 2018	2.32	0.23-4.4	5	N/A	Soil runoff.
Color	July 2017 Jan 2018	2.5	ND-5.0	15	N/A	Naturally occurring organic materials.

**TABLE 6 – DETECTION OF UNREGULATED CONTAMINANTS**

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Source of Contaminant

## 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. PARADISE VALLEY 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 do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants. 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>.

**Arsenic-Specific Language:** 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 cost 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 damages and circulatory problems.

\* The Board would like to remind all owners to do their best to conserve water during the very hot and dry days of Summer. Also, when it does rain, please turn off your irrigation systems to further conserve our precious resource.

\* Your Water Company Board is always doing their best to keep rates at a minimum. Please help them help you.

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

VIOLATION OF A MCL, MRDL, AL, TT, OR MONITORING AND REPORTING REQUIREMENT				
Violation	Explanation	Duration	Actions Taken to Correct the Violation	Health Effects Language
<b>Monitoring &amp; Reporting for Bacteria</b>	<b>Failed to sample for 4 resamples after May 2018; total coliform result took 2 samples.</b>	<b>1 Month</b>	<b>Sampled 5 routines in June 2018.</b>  <b>Notice delivered in Aug. 2018.</b>	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 May 2018, we did not complete all testing for bacteria and therefore, cannot be sure of the quality of our drinking water during that time.

<b>Aluminum</b>	<b>New well had aluminum over MCL in beginning.</b>	<b>1 Month</b>	<b>Well was flushed over several months. Aluminum was non-detect (ND) in July 2018.</b>	
<b>Iron</b>	<b>New well had iron over MCL in beginning.</b>	<b>About 1 Month</b>	<b>Well was flushed over several months. Iron was non-detect (ND) in July 2018.</b>	

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**Note:**

**Toluene was detected in the beginning from the new well. It may have been a remnant from the drilling or pump installation process. Toluene is now non-detect (ND).**

## APPENDIX F: Certification Form (Suggested Format)

### Consumer Confidence Report Certification Form

(to be submitted with a copy of the CCR)

(To certify electronic delivery of the CCR, use the certification form on the State Board's website at [http://www.swrcb.ca.gov/drinking\\_water/certlic/drinkingwater/CCR.shtml](http://www.swrcb.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml))

Water System Name: Paradise Valley Mutual Water Company  
Water System Number: 3301502

The water system named above hereby certifies that its Consumer Confidence Report was distributed on March 26, 2019 (date) 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.

Certified by: Name: John F. Kozlik  
Signature: John F. Kozlik  
Title: President  
Phone Number: (951) 659-2313 Date: 3-26-2019

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

- ☒ CCR was distributed by mail or other direct delivery methods. Specify other direct delivery methods used: \_\_\_\_\_
- ☐ "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:
- ☐ Posting the CCR on the Internet at www.
  - ☐ 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)
  - ☐ 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 address: www.
- ☐ For investor-owned utilities: Delivered the CCR to the California Public Utilities Commission

*This form is provided as a convenience for use to meet the certification requirement of the California Code of Regulations, section 64483(c).*