2023 Consumer Confidence Report

Water System Name: DEER MEADOW MUTUAL Report Date: March 2024

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, 2023.

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

Type of water source(s) in use: According to SWRCB records, this Source is Groundwater. This Assessment was done using the Default Groundwater System Method.

Your water comes from 1 source(s): WELL 01 - RAW

Opportunities for public participation in decisions that affect drinking water quality: Regularly-scheduled water board or city/county council meetings currently are not held.

For more information about this report, or any questions relating to your drinking water, please call 5597868007 and ask for Erin Vincent or email erinvincent@gmail.com.

TERMS USED IN THIS REPORT

Maximum Contaminant Level (MCL): The highest level of contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically 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 (USEPA).

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 the contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Drinking Water Standards (SDWS): MCLs for the 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.

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

mg/L: milligrams per liter or parts per million (ppm)

ug/L: micrograms per liter or parts per billion (ppb)

pCi/L: picocuries per liter (a measure of radiation)

NTU: Nephelometric Turbidity Units

umhos/cm: micro mhos per centimeter

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 by-products if 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 USEPA and the State Water Resource 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.

Tables 1, 2, 3, 4, 5, 6 and 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 Water 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 MCL, AL or MRDL is highlighted. Additional information regarding the violation is provided later in this report.

Table 1 - SAN	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 Sources of Contaminant						
Total Coliform Bacteria	1/year (2023)	0	no more than 1 positive monthly sample		Naturally present in the environment.						

Tabl	Table 2 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER									
Lead and Copper (complete if lead or copper detected in last sample set)	Sample Date	No. of Samples	90th percentile level detected	No. Sites Exceeding AL	AL	PHG	Typical Sources of Contaminant			
Copper (mg/L)	(2023)	5	0.11	0	1.3	.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives			

	Table 3	- SAMPLING	RESULTS FO	R SO	DIUM AND	HARDNESS
Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Sources of Contaminant
Sodium (mg/L)	(2022)	51	n/a	none	none	Salt present in the water and is generally naturally occurring
Hardness (mg/L)	(2022)	273	n/a	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Table 4 - D	Table 4 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD										
Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL [MRDL]		Typical Sources of Contaminant					
Fluoride (mg/L)	(2022)	0.1	n/a	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.					
Gross Alpha (pCi/L)	(2016)	2.15	n/a	15	(0)	Erosion of natural deposits.					

Table 5 - DETE	CTION OF C	ONTAMINA	NTS WITH A	SECO	ONDARY D	RINKING WATER STANDARD
Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Sources of Contaminant
Chloride (mg/L)	(2022)	55	n/a	500	n/a	Runoff/leaching from natural deposits; seawater influence
Color (Units)	(2022)	5	n/a	15	n/a	Naturally-occurring organic materials
Iron (ug/L)	(2022)	250	n/a	300	n/a	Leaching from natural deposits; Industrial wastes
Manganese (ug/L)	(2023)	105	70 - 160	50	n/a	Leaching from natural deposits
Odor Threshold at 60 °C (TON)	(2022)	32	n/a	3	n/a	Naturally-occurring organic materials.
Specific Conductance (umhos/cm)	(2022)	617	n/a	1600	n/a	Substances that form ions when in water; seawater influence
Sulfate (mg/L)	(2022)	17.2	n/a	500	n/a	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (mg/L)	(2022)	380	n/a	1000	n/a	Runoff/leaching from natural deposits
Turbidity (NTU)	(2022)	0.38	n/a	5	n/a	Soil runoff
Zinc (mg/L)	(2022)	0.11	n/a	5	n/a	Runoff/leaching from natural deposits

	Table 6 - DETECTION OF UNREGULATED CONTAMINANTS											
Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	Notification Level	Typical Sources of Contaminant							
Boron (mg/L)	(2022)	0.2	n/a	1	Boron exposures resulted in decreased fetal weight (developmental effects) in newborn rats.							
Manganese (ug/L)	(2023)	105	70 - 160	n/a	n/a							

			TIONAL DETECTION	ONS	
Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	Notification Level	Typical Sources of Contaminant
Calcium (mg/L)	(2022)	98	n/a	n/a	n/a
Magnesium (mg/L)	(2022)	7	n/a	n/a	n/a
pH (units)	(2022)	ND	n/a	n/a	n/a
Alkalinity (mg/L)	(2022)	210	n/a	n/a	n/a
Aggressiveness Index	(2022)	ND	n/a	n/a	n/a
Langelier Index	(2022)	ND	n/a	n/a	n/a

Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts if 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 USEPA'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. USEPA/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 for Community Water Systems: 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 the service lines and home plumbing. *Deer Meadow MWC* 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.

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

VIOLATION C	OF A MCL,MRDL,AL,TT, OR M	MONITORING A	AND REPORTING	REQUIREMENT
Violation	Explanation	Duration	Actions Taken To Correct the Violation	Health Effects Language
Total Coliform Bacteria				Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.
Manganese				Manganese was found at levels that exceed the secondary MCL. The Manganese MCL was set to protect you against unpleasant aesthetic affects such as color, taste, odor and the staining of plumbing fixtures (e.g., tubs and sinks), and clothing while washing. Violating this MCL does not pose a risk to public health.

Odor Threshold at 60 °C		Odor was found at levels that exceed the secondary MCL.
		The Odor MCL was set to
		protect you against
		unpleasant aesthetic affects
		such as color, taste, odor and
		the staining of plumbing
		fixtures (e.g., tubs and sinks), and clothing while
		washing. Violating this MCL
		does not pose a risk to public
		health.

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Drinking Water Assessment Information

Assessment Information

A source water assessment was conducted for the WELL 01 of the DEER MEADOW MUTUAL water system in July, 2002.

WELL 01 - RAW - is considered most vulnerable to the following activities not associated with any detected contaminants:

Septic systems - high density [>1/acre]

Discussion of Vulnerability

The activity to which the Deer Meadow Mutual Water Company is most vulnerable is septic systems. It is important that septic systems be kept in good repair and pumped regularly. It is also necessary to keep the well site

clean and free of weeds and debris to prevent contamination. The cement surface seal needs to be checked for cracks and immediately repaired or sealed.

Acquiring Information

A copy of the complete assessment may be viewed at: Environmental Health Services 5957 S Mooney Blvd Visalia, CA 93277

You may request a summary of the assessment be sent to you by contacting: Susan Shaw
Environmental Health Specialist
559-733-6441
559-733-6932 (fax)
sshaw@tularehhsa.org

Deer Meadow MWC Analytical Results By FGL - 2023

		MICROB	IOLOGICA	AL CONTAM	IINANT	S			
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Total Coliform Bacteria			0	5%	n/a			0	1 - 1
40999 Cherokee Oaks	VI 2348124-1					2023-12-04	Absent		
40999 Cherokee Oaks	VI 2347471-1					2023-11-06	Absent		
40999 Cherokee Oaks	VI 2347091-1					2023-10-19	Absent		
40999 Cherokee Oaks	VI 2346454-1					2023-09-25	Absent		
40999 Cherokee Oaks	VI 2345831-1					2023-08-31	Absent		
40999 Cherokee Oaks	VI 2344142-1					2023-07-06	Absent		
40999 Cherokee Oaks	VI 2343499-1					2023-06-05	Absent		
40999 Cherokee Oaks	VI 2342888-1					2023-05-10	Absent		
40999 Cherokee Oaks	VI 2342215-1					2023-04-12	Absent		
40999 Cherokee Oaks	VI 2341658-1					2023-03-20	Absent		
40999 Cherokee Oaks	VI 2340785-1					2023-02-08	Absent		
40999 Cherokee Oaks	VI 2340180-1					2023-01-11	Absent		
WELL 01	VI 2348124-2					2023-12-04	<1.0		
WELL 01	VI 2347471-2					2023-11-06	<1.0		
WELL 01	VI 2347091-2					2023-10-19	1		
WELL 01	VI 2346454-2					2023-09-25	<1.0		
WELL 01	VI 2345831-2					2023-08-31	<1.0		
WELL 01	VI 2344142-2					2023-07-06	<1.0		
WELL 01	VI 2343499-2					2023-06-05	<1.0		
WELL 01	VI 2342888-2					2023-05-10	<1.0		
WELL 01	VI 2342215-2					2023-04-12	<1.0		
WELL 01	VI 2341658-2					2023-03-20	<1.0		
WELL 01	VI 2340785-2					2023-02-08	<1.0		
WELL 01	VI 2340180-2					2023-01-11	<1.0		

	LEAD AND COPPER RULE										
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples		
Copper		mg/L		1.3	.3			0.105	5		
40999 Cherokee Oaks	VI 2345278-5	mg/L				2023-08-09	0.10				
41025 Meadow Dr.	VI 2345278-4	mg/L				2023-08-09	0.11				
41039 Meadow Dr.	VI 2345278-3	mg/L				2023-08-09	ND				
41053 Meadow Dr.	VI 2345278-2	mg/L				2023-08-09	ND				
41075 Meadow Dr.	VI 2345278-1	mg/L				2023-08-09	0.08				

SAMPLING RESULTS FOR SODIUM AND HARDNESS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Sodium		mg/L		none	none			51	51 - 51
WELL 01 - RAW	VI 2241602-1	mg/L				2022-03-09	51		
Hardness		mg/L		none	none			273	273 - 273
WELL 01 - RAW	VI 2241602-1	mg/L				2022-03-09	273		

PRIMARY DRINKING WATER STANDARDS (PDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Fluoride		mg/L		2	1			0.1	0.1 - 0.1
WELL 01 - RAW VI 2241602-1		mg/L				2022-03-09	0.1		
Gross Alpha		pCi/L		15	(0)			2.15	2.15 - 2.15
WELL 01 - RAW	VI 1640433-1	pCi/L				2016-02-12	2.15		

SECONDARY DRINKING WATER STANDARDS (SDWS)

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Chloride		mg/L		500	n/a			55	55 - 55
WELL 01 - RAW	VI 2241602-1	mg/L				2022-03-09	55		
Color	-	Units		15	n/a			5	5 - 5
WELL 01 - RAW	VI 2242459-1	Units				2022-04-07	5		
Iron		ug/L		300	n/a			250	250 - 250
WELL 01 - RAW	VI 2241602-1	ug/L				2022-03-09	250		
Manganese		ug/L		50	n/a			105	70 - 160
WELL 01 - RAW	VI 2347472-1	ug/L				2023-11-06	100		
WELL 01 - RAW	VI 2345074-1	ug/L				2023-08-02	90		
WELL 01 - RAW	VI 2342887-1	ug/L				2023-05-10	70		
WELL 01 - RAW	VI 2340854-1	ug/L				2023-02-09	160		
Odor Threshold at 60 °C		TON		3	n/a			32	32 - 32
WELL 01 - RAW	VI 2241602-1	TON				2022-03-09	32		
Specific Conductance		umhos/cm		1600	n/a			617	617 - 617
WELL 01 - RAW	VI 2241602-1	umhos/cm				2022-03-09	617		
Sulfate		mg/L		500	n/a			17.2	17.2 - 17.2
WELL 01 - RAW	VI 2241602-1	mg/L				2022-03-09	17.2		
Total Dissolved Solids	-	mg/L		1000	n/a			380	380 - 380
WELL 01 - RAW	VI 2241602-1	mg/L				2022-03-09	380		
Turbidity		NTU		5	n/a			0.38	0.38 - 0.38
WELL 01 - RAW	VI 2242459-1	NTU				2022-04-07	0.38		
Zinc		mg/L		5	n/a			0.11	0.11 - 0.11
WELL 01 - RAW	VI 2241602-1	mg/L				2022-03-09	0.11		

UNREGULATED CONTAMINANTS										
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)	
Boron		mg/L		NS	n/a			0.2	0.2 - 0.2	
WELL 01 - RAW	VI 2241602-1	mg/L				2022-03-09	0.2			
Manganese		ug/L		NS	n/a			105	70 - 160	
WELL 01 - RAW	VI 2347472-1	ug/L				2023-11-06	100			
WELL 01 - RAW	VI 2345074-1	ug/L				2023-08-02	90			
WELL 01 - RAW	VI 2342887-1	ug/L				2023-05-10	70			
WELL 01 - RAW	VI 2340854-1	ug/L				2023-02-09	160			

ADDITIONAL DETECTIONS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Calcium		mg/L			n/a			98	98 - 98
WELL 01 - RAW	VI 2241602-1	mg/L				2022-03-09	98		
Magnesium		mg/L			n/a			7	7 - 7
WELL 01 - RAW	VI 2241602-1	mg/L				2022-03-09	7		
рН		units			n/a			ND	-
WELL 01 - RAW	VI 2241602-1	units				2022-03-09			
Alkalinity		mg/L			n/a			210	210 - 210
WELL 01 - RAW	VI 2241602-1	mg/L				2022-03-09	210		
Aggressiveness Index					n/a			ND	-
WELL 01 - RAW	VI 2241602-1					2022-03-09			
Langelier Index					n/a			ND	-
WELL 01 - RAW	VI 2241602-1					2022-03-09			

Deer Meadow MWC CCR Login Linkage - 2023

FGL Code	Lab ID	Date_Sampled	Method	Description	Property
40999 CHEROKEE	VI 2340180-1	2023-01-11	Coliform	40999 Cherokee Oaks	Routine Water Monitoring
	VI 2340785-1	2023-02-08	Coliform	40999 Cherokee Oaks	Routine Water Monitoring
	VI 2341658-1	2023-03-20	Coliform	40999 Cherokee Oaks	Routine Water Monitoring
	VI 2342215-1	2023-04-12	Coliform	40999 Cherokee Oaks	Routine Water Monitoring
	VI 2342888-1	2023-05-10	Coliform	40999 Cherokee Oaks	Routine Water Monitoring
	VI 2343499-1	2023-06-05	Coliform	40999 Cherokee Oaks	Routine Water Monitoring
	VI 2344142-1	2023-07-06	Coliform	40999 Cherokee Oaks	Routine Water Monitoring
DST_LCR	VI 2345278-5	2023-08-09	Metals, Total	40999 Cherokee Oaks	Lead & Copper Monitoring
40999 CHEROKEE	VI 2345831-1	2023-08-31	Coliform	40999 Cherokee Oaks	Routine Water Monitoring
	VI 2346454-1	2023-09-25	Coliform	40999 Cherokee Oaks	Routine Water Monitoring
	VI 2347091-1	2023-10-19	Coliform	40999 Cherokee Oaks	Routine Water Monitoring
40999 Cherokee	VI 2347471-1	2023-11-06	Coliform	40999 Cherokee Oaks	Routine Water Monitoring
40999 CHEROKEE	VI 2348124-1	2023-12-04	Coliform	40999 Cherokee Oaks	Routine Water Monitoring
DST_LCR	VI 2345278-4	2023-08-09	Metals, Total	41025 Meadow Dr.	Lead & Copper Monitoring
	VI 2345278-3	2023-08-09	Metals, Total	41039 Meadow Dr.	Lead & Copper Monitoring
	VI 2345278-2	2023-08-09	Metals, Total	41053 Meadow Dr.	Lead & Copper Monitoring
	VI 2345278-1	2023-08-09	Metals, Total	41075 Meadow Dr.	Lead & Copper Monitoring
STW-1	VI 2340180-2	2023-01-11	Coliform	WELL 01	Routine Water Monitoring
	VI 2340785-2	2023-02-08	Coliform	WELL 01	Routine Water Monitoring
	VI 2341658-2	2023-03-20	Coliform	WELL 01	Routine Water Monitoring
	VI 2342215-2	2023-04-12	Coliform	WELL 01	Routine Water Monitoring
	VI 2342888-2	2023-05-10	Coliform	WELL 01	Routine Water Monitoring
	VI 2343499-2	2023-06-05	Coliform	WELL 01	Routine Water Monitoring
	VI 2344142-2	2023-07-06	Coliform	WELL 01	Routine Water Monitoring
	VI 2345831-2	2023-08-31	Coliform	WELL 01	Routine Water Monitoring
	VI 2346454-2	2023-09-25	Coliform	WELL 01	Routine Water Monitoring
	VI 2347091-2	2023-10-19	Coliform	WELL 01	Routine Water Monitoring
	VI 2347471-2	2023-11-06	Coliform	WELL 01	DEER MEADOW MUTUAL
	VI 2348124-2	2023-12-04	Coliform	WELL 01	Routine Water Monitoring
	VI 1640433-1	2016-02-12	Radio Chemistry	WELL 01 - RAW	Water Quality Monitoring
	VI 2241602-1	2022-03-09	Wet Chemistry	WELL 01 - RAW	Well 01-Water Quality
	VI 2241602-1	2022-03-09	General Mineral	WELL 01 - RAW	Well 01-Water Quality
	VI 2242459-1	2022-04-07	Wet Chemistry	WELL 01 - RAW	DEER MEADOW MUTUAL
	VI 2340854-1	2023-02-09	Metals, Total	WELL 01 - RAW	Well 01 - Mn Monitoring
	VI 2342887-1	2023-05-10	Metals, Total	WELL 01 - RAW	Well 01 - Mn Monitoring
	VI 2345074-1	2023-08-02	Metals, Total	WELL 01 - RAW	Well 01 - Mn Monitoring
	VI 2347472-1	2023-11-06	Metals, Total	WELL 01 - RAW	Well 01 - Mn Monitoring