

# ***2019 Consumer Confidence Report***

## ***Mineral Mountain Mutual Estate***

**We are pleased to present to you** this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is three wells located on the property identified as Well #1, Well #3, and Well #5, which undergoes a filtration process.

**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 microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

**This report shows our water quality** and what it means. If you have any questions about this report or concerning your water utility, please contact Rhonda Saul at (209) 728-9029

**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:

- *Microbiological 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 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 a result of oil and gas production and mining activities.

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

**All 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 USEPA's Safe Drinking Water Hotline at 1-800-426-4791.

**Maximum Contaminant Levels (MCLs)** are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

**Espanol – (Spanish):** Este informe contiene información muy importante sobre su agua beber. Tradúzcalo ó hable con alguien que lo entienda bien.

# WATER QUALITY DATA

Mineral Mountain Mutual Estate routinely monitors for constituents in your drinking water according to Federal and State laws. Tables 1, 2, 3, 4, and 5 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. Unless otherwise indicated, the data contained in this report are for the monitoring period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2019. The table does not include contaminants that were not detected by laboratory testing. The State of California allows most systems to be monitored for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the results in this report, though representative, may be more than a year old.

## 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.

**Primary Drinking Water Standards (PDWS):** MCLs 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.

**ND:** not detectable at testing limit

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

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

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

**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 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).

**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 which a water system must follow.

**Variances and Exemptions:** Department permission to exceed an MCL or not comply with a treatment technique under certain conditions.

**DLR:** Detection Limit for purposes of Reporting. The DLR is set by state regulation for each reportable analyte.

**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 mo.) <b>Two</b>	<b>3</b>	1 positive monthly sample	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i> (state Total Coliform Rule)	(In the year) <b>None</b>	<b>0</b>	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) <b>None</b>	<b>0</b>	(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*.

**Total Coliform:** *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.

**During the past year we were required to conduct One Level 1 Assessment which was completed December 2019. 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.**

**Table 2 – Sampling Results Showing The Detection Of Lead And Copper  
(Distribution System Sampling Dates: August 2018 )**

Lead and Cooper	Number of Sites Sampled	Number of Sites that Exceeded AL	Typical Source of Contamination
Lead Results 15 ppb (MCL)	5	0	Internal corrosion of household plumbing systems, erosion of natural deposits.
Copper Results 1.3 ppm (MCL)	5	0	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.

**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.

**Lead** - 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. Mineral Mountain Mutual Estate 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/safewater/lead>.

**Table 3 – Sampling Results For Sodium and Hardness**

Chemical or Constituent (units)	Sample Dates	Average Level Detected	Range of Detections	PHG (MCLG)	MCL	Typical Source of Contamination
Sodium (ppm)	3/7/18	10.5	9.4-11	none	none	Generally found in ground and surface water
Hardness (ppm)	3/7/18	95	88-103	none	none	Generally found in ground and surface water

**Table 4 - Detection Of Contaminants With A Primary Drinking Water Standard  
(Well #1, Well #3 & Well #5 sampled: See below)**

Chemical or Constituent	Units	Violation Y/N	Average Level Detected	Range of Detections	PHG	MCL	Typical Source of Contaminant
Fluoride (Sampled: 3/7/18)	ppm	N	0.11	0.11	1	2.0	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate as N (Sampled: 1/2/2019)	ppm	N	ND	ND	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Perchlorate (Sampled: 3/7/18)	ppb	N	ND	ND	6	6	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
<b>Disinfection Byproducts (Routine Distribution Sites sampled January through June in 2017)</b>							
Bromate	ppb	N	ND	ND	0.1	10	Some people who drink water containing bromate in excess of the MCL over many years may have an increased risk of getting cancer.
<b>Radioactive Contaminants (Well #1 &amp; Well #3 sampled 7/04/2010)</b>							
Radiological, Gross Alpha	pCi/l	N	1.3	ND – 2.0	MCLG = 0	15	Erosion of natural deposits

**Table 5 - Detection Of Contaminants With A Secondary Drinking Water Standard  
(Well #1, Well #3 & Well #5 sampled 3/7/2018)**

Chemical or Constituent	Units	Violation Y/N	Average Level Detected	Range of Detections	MCLG/PHG	MCL	Typical Source of Contaminant
Chloride	ppm	N	4.2	4.2 - 4.3	NA	500	Runoff/leaching from natural deposits; sea water influence
Color	Color Units	N	7	7	NA	15	Naturally-occurring organic materials
Conductivity	Micro-mhos per cm	N	240	240	NA	1600	Substances that form ions when in water; sea water influence
<b>Iron*</b>	ppb	<b>Y*</b>	<b>363*</b>	350 - 380	NA	300	Leaching from natural deposits; industrial wastes
<b>Manganese*</b>	ppb	<b>Y*</b>	<b>423*</b>	420 - 430	NA	50	Leaching from natural deposits
Odor – Threshold	Units	N	ND	ND	NA	3	Naturally-occurring organic compounds
Sulfate	ppm	N	21	21	NA	500	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids	ppm	N	173	170 -180	NA	1000	Runoff/leaching from natural deposits
Turbidity	NTU	N	4.7	4.6 – 4.7	NA	5	Soil runoff

\*Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided below.

***Note:** There are no PHGs or MCLGs for constituents with secondary drinking water standards because these are not health-based levels, but set on the basis of aesthetics.*

**Iron & Manganese**– Iron and manganese were found at levels that exceed the secondary MCL in the raw well water before treatment. These MCL's were set to protect you against unpleasant aesthetic effects such as color, taste, odor and the staining of plumbing fixtures (e.g., tubs and sinks), and clothing while washing. The high iron and manganese levels are due to leaching of natural deposits. These levels are greatly reduced by the filtration process.

**Turbidity** - Turbidity has no health effects. However, high levels of turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

**On 4/2/2014**, Volatile Organic Carbon (VOC) and other water quality constituents was sampled to meet regulatory sampling requirements. The results were all less than the reporting limits with none detection.

**On 3/7/2018, 6/27/2018, 9/19/2018, & 12/05/2018**, Synthetic Organic Contaminates was sampled to meet regulatory sampling requirements. The results were less than the reporting limits with none detection.

Chemical	Detected Level	Health Effects Language
1,2,3-Trichloropropane (ng/L or PPT)	ND	Some people who drink water containing 1,2,3-trichloropropane in excess of the MCL over many years may have an increased risk of getting cancer.

**On May 29, 2018**, the Calaveras County Environmental Health LPA had issued a noncompliance with California Health and Safety Code , Section 116555(a)(1) and California Code of Regulations, Title 22 Section 64432.1(a) and Section 64469(a) and (c) Nitrate Monitoring and Reporting Violation Calendar Year 2017 where we failed to collect and report a nitrate sample from Well 01, Well 03, and Well 05 “health effects unknown”. All requirements in the citation were completed, including the collection of a Nitrate sample in February 2018 and notifying our clients about the citation.

Report prepared 05/10/2020 by Alpha Analytical Laboratories, Inc., using *CCR Guidance for Water Suppliers* available at, [http://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/CCR.shtml](http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml), employing due diligence with instructions given. Data contained in this report are based on the analytical results generated by Alpha Analytical

Laboratories and its subcontract laboratories.