

ANNUAL WATER QUALITY REPORT

Providing customers with safe, quality drinking water is a top priority for Liberty Utilities, and we are proud to present this Water Quality Report (Consumer Confidence Report) that shares detailed information regarding local water service and our compliance with state and federal quality standards during the 2018 calendar year.

Liberty Utilities makes significant investments each year to ensure the water we deliver to customers meets all safety standards established by the State Water Resources Control Board's Division of Drinking Water (DDW), California Public Utilities Commission (CPUC) and United States Environmental Protection Agency (USEPA). We invest responsibly in order to maintain the local water infrastructure, because a strong infrastructure is a key factor in delivering quality water. Additionally, we have a top-notch water quality program that ensures the water delivered to your home or business is thoroughly tested by independent laboratories and data is provided to the state to verify compliance with all applicable safety regulations.

We know our customers rely on us to make sure the water at their tap is safe to drink, and we take that responsibility seriously.

At Liberty Utilities, the words "Local and Responsive. We Care." are more than a tagline. Our employees live in the local community and take great pride in providing quality water and reliable service to you and your neighbors.

If you have any questions about the information within this report, please don't hesitate to contact us anytime at 562-923-0177. We encourage you to visit our website at www.LibertyUtilities.com to sign up for our email distribution list, so we can keep you informed with timely updates regarding your water service. Also, follow us on Facebook (@LibertyParkH2O) to stay up-to-date.

On behalf of the entire Liberty Utilities family, thank you for being a valued customer and neighbor. We are proud to be your water provider.

Sincerely,

Chris Alario
President, Liberty Utilities-California

*Este informe contiene informacion muy importante sobre su agua potable.
Traduzcalo o hable con alguien que lo entienda bien.*



Where Does My Water Come From?

In 2018 Liberty Utilities – Mesa Crest system obtained 100% of its source water from the Metropolitan Water District of Southern California (MWD). The MWD imports water from the Colorado River Aqueduct and from the Sacramento-San Joaquin Delta by way of the State Water Project.

About the Metropolitan Water District of Southern California

MWD is a consortium of 26 cities and water districts that provides drinking water to nearly 19 million people in parts of Los Angeles, Orange, San Diego, Riverside, San Bernardino, and Ventura counties. MWD currently delivers an average of 1.7 billion gallons of water per day to a 5200 square-mile service area. The mission of the MWD is to provide its service area with adequate and reliable supplies of high-quality water to meet present and future needs in an environmentally and economically responsible way. MWD continues to add storage and conservation resources to its already diverse water supply portfolio to insure a reliable water supply well into the future. Further, MWD continues to invest in water quality improvements, including the addition of ozone as a treatment process, and the expansion of its treatment capacity that will provide excellent quality water. For more information about MWD, visit their website at www.mwdh2o.com.

The Mesa Crest system receives its water from the MWD Weymouth Filtration Plant in La Verne. In 2018, the Weymouth Plant source water consisted of 74% State Water Project supply, and 26% Colorado River Water supply.

From The United States Environmental Protection Agency (USEPA)

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 storm water 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 that can be naturally-occurring or be the result of oil and gas production or mining activities.

In order to ensure that tap water is safe to drink, the USEPA and the State Water Resources Control Board (SWRCB) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. SWRCB regulations also establish limits for contaminants in bottled water that 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 at 1-800-426-4791.

Sensitive Populations May Be More Vulnerable

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 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 and Centers for Disease Control (CDC) guidelines on appropriate means to less the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at 1-800-426-4791.

What Are The Drinking Water Standards?

Drinking water standards are the regulations set by the USEPA to control the level of contamination in the nation's drinking water. The USEPA and the SWRCB are the agencies responsible for establishing drinking water quality standards in California. These standards are part of the Safe Drinking Water Act's "multiple barrier approach" to drinking water protection. This approach includes assessing and protecting drinking water sources; protecting wells and surface water; making sure water is treated by qualified operators; ensuring the integrity of the distribution system; and making information about water quality available to the public. The water delivered to your home meets the standards required by the USEPA and the SWRCB.

If you would like more information about water quality, or to find out about upcoming opportunities to participate in public meetings, please call Liberty Utilities' Downey office at 562-299-5117.

This report describes those contaminants that have been detected in the analyses of over 100 different potential contaminants, most of which are regulated by the USEPA and the SWRCB. Liberty is proud to tell you that there have been no contaminants detected that exceed any federal or state drinking water standards. Sample results are available on the Table that is part of this report.

What Are The Drinking Water Standards?

This report is intended to provide information for all water users. If received by and absentee landlord, a business, or a school, please share the information with tenants, employees or students. We are happy to make additional copies of this report available. You may also access this report on the Liberty Utilities web page at www.libertyutilities.com.

Important Health Information

Lead

While there have never been any problems with lead in our water system, the USEPA and the SWRCB require the following information be presented in this report. 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. Liberty Utilities 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>.



Mesa Crest 2018 Annual Water Quality Report

Primary Standards - Health Based	Primary MCL	PHG (MCLG)	Range of Detection for MWD	Average Level for MWD	Most Recent Sampling Date (b)	Typical Source of Constituent
Turbidity (a)						
Highest single measurement of the treated surface water (NTU)	TT = 1.0	n/a	n/a	0.06	2018	Soil runoff
Lowest percent of all monthly readings less than 0.3 NTU (%)	TT = 95	n/a	n/a	100	2018	Soil runoff
Inorganic Constituents						
Aluminum (mg/L)	1	0.6	ND - 0.22	0.105	2018	Erosion of natural deposits; residue from some surface water treatment processes
Bromate (µg/L)	10	0.1	ND - 10.0	5.0	2018	Byproduct of drinking water disinfection
Fluoride (mg/L) [Treated Water]	2.0	1	0.6 - 0.9	0.7	2018	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Secondary Standards - Aesthetic	Secondary MCL	PHG (MCLG)	Range of Detection for MWD	Average Level for MWD	Most Recent Sampling Date	Typical Source of Constituent
Aluminum (µg/L)	200	n/a	ND - 220	105	2018	Erosion of natural deposits; residue from some surface water treatment processes
Chloride (mg/L)	500	n/a	96 - 97	96	2018	Runoff/leaching from natural deposits; seawater influence
Color (units)	15	n/a	ND - 1	ND	2018	Naturally-occurring organic materials
Odor--Threshold (units)	3	n/a	3	3	2018	Naturally-occurring organic materials
Specific Conductance (µS/cm)	1600	n/a	897 - 1,010	954	2018	Substances that form ions when in water; seawater influence
Sulfate (mg/L)	500	n/a	190 - 236	213	2018	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (mg/L)	1000	n/a	553-639	596	2018	Runoff/leaching from natural deposits
Other Parameters	Notification Level	PHG (MCLG)	Range of Detection for MWD	Average Level for MWD	Most Recent Sampling Date	Typical Source of Constituent
Aggressive Index (units) [c]	n/a	n/a	12.2 - 12.5	12.4	2018	The sum of polyvalent cations present in the water, generally magnesium and calcium; the cations are usually naturally occurring
Alkalinity (mg/L)	n/a	n/a	107 - 117	112	2018	
Calcium (mg/L)	n/a	n/a	57 - 69	63	2018	
Hardness [as CaCO ₃] (mg/L)	n/a	n/a	233 - 274	254	2018	
Hardness [as CaCO ₃] (grains/gal)	n/a	n/a	13.6 - 16.0	14.8	2018	
Magnesium (mg/L)	n/a	n/a	23 - 26	24	2018	Refers to the salt present in the water and is generally naturally occurring
pH (pH units)	n/a	n/a	8.1 - 8.2	8.1	2018	
Potassium (mg/L)	n/a	n/a	4.4 - 5.0	4.7	2018	
Sodium (mg/L)	n/a	n/a	94 - 103	98	2018	
Unregulated Drinking Water Constituents	Notification Level	PHG (MCLG)	Range of Detection for MWD	Average Level for MWD	Most Recent Sampling Date	
Boron (µg/L)	1000	n/a	130	130	2018	

Mesa Crest System - Distribution Water Quality

Distribution System	Primary MCL (MRDL)	PHG (MRDLG)	Range of Detection	Average Level	Most Recent Sampling Date	Typical Source of Constituent
Chlorine [as Cl ₂] (mg/L)	(4.0)	(4)	0.10 - 2.20	1.59	2018	Drinking water disinfectant added for treatment
HAA5 [Total of Five Haloacetic Acids] (µg/L)	60	n/a	2.1 - 8.6	6.5	2018	Byproduct of drinking water disinfection
TTHMs [Total of Four Trihalomethanes] (µg/L)	80	n/a	18.2 - 31.4	23.5	2018	Byproduct of drinking water disinfection
Lead and Copper Rule	Action Level	PHG (MCLG)	Sample Data	90th % Level	Most Recent Sampling Date	Typical Source of Constituent
Copper (mg/L)	1.3	0.3	0 of the 10 samples collected exceeded the action level.	0.06	2016	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (µg/L)	15	0.2	0 of the 10 samples collected exceeded the action level.	ND	2016	Internal corrosion of household plumbing systems; discharges from industrial manufacturers; erosion of natural deposits

KEY TO ABBREVIATIONS AND FOOTNOTES:

mg/L or ppm = milligrams per liter or parts per million
 µg/L or ppb = micrograms per liter or parts per billion
 ng/L or ppt = nanograms per liter or parts per trillion
 pCi/L - picoCuries per liter

NA or n/a - Not Applicable or Not Required

ND = Not detected

TT = Treatment Technique

NL = Notification Level

NTU = Nephelometric Turbidity Units. This is a measure of suspended material in water.

(a) = Turbidity is a measure of the cloudiness of the water and is a good indicator of water quality and filtration performance.

(b) = The state allows us to monitor for some parameters less than once per year because the concentrations of these parameters in groundwater sources do not change frequently. Some of the data, though representative, are more than one year old.

[c] = An Aggressive Index of 11 or greater indicates the water is non-aggressive (non-corrosive)

DEFINITIONS:

MCL - Maximum Contaminant Level: The highest level of a contaminant allowed in drinking water. Secondary MCLs are set to protect the odor, taste and appearance of drinking water.

MCLG - Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there are no known or expected risks to health. MCLGs are set by the US Environmental Protection Agency.

MRDL - Maximum Residual Disinfectant Level: 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.

MRDLG - Maximum Residual Disinfectant Level Goal: 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.

NL - Notification Level: Health-based advisory levels established by the Division of Drinking Water (DDW) for chemicals in drinking water that lack MCLs.

AL - Regulatory Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

PDWS - Primary Drinking Water Standard: MCLs, MRDLs, and TTs for contaminants that affect health, along with their monitoring and reporting requirements.

PHG - Public Health Goal: 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.

TT - Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

FOR MORE INFORMATION



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