



# CITY OF COVINA

125 East College Street • Covina, California 91723-2199

June 2017

Dear Water Customer:

The City of Covina strives to provide its residents and businesses with the highest quality water, reliable service, and competitive rates. The Consumer Confidence Report (CCR), included within this mailing, offers an overview of water quality and the testing results from 2016. The report explains where your drinking water comes from, provides information on contaminants that may reasonably be expected to be found in your drinking water, and how Covina's water quality compares with regulatory standards. The information summarized in the report also fulfills requirements found in the California Health and Safety Code (Title 22, Chapter 15, Article 20, Section 116470) regarding the need for community water systems to prepare and distribute the annual Consumer Confidence Report by July 1<sup>st</sup>.

In addition to supplying water customers with this CCR, the City of Covina would like to provide an update on water conservation measures implemented in response to the prolonged drought in California. During 2016, the City of Covina maintained a Level 2 Water Supply Shortage. The Level 2 status required residents and businesses to comply with a variety of water use restrictions, such as limited watering days.

Effective May 12, 2017, the City of Covina declared a Level 1 Water Supply Shortage. From now through October 2017, residents and businesses may water landscaped areas on Mondays, Wednesdays and Saturdays only, between the hours of 5 p.m. and 9 a.m., for a period no longer than 15 minutes per station. Beginning November 2017, watering will be limited to Wednesdays only. As Southern California recovers from the drought and replenishes its ground water supply, the Covina community is urged to adopt water conservation as a way of life. Water conservation kits, containing water conservation devices and resources, are available at no charge to Covina residents. Please stop by the Public Works Department within City Hall, 125 E. College Street, between the hours of 7 a.m. and 6 p.m. Monday through Thursday, to pick up a kit.

Thank you for partnering with the City to conserve water and promote environmental stewardship. For further information, please visit the City's website at [www.covinaca.gov/publicworks](http://www.covinaca.gov/publicworks) for tips on reducing water usage and details of the Water Conservation Ordinance. For information regarding water-related rebates, please visit [www.socalwatersmart.com](http://www.socalwatersmart.com).

If you have any questions regarding this CCR, or water conservation efforts, please feel free to contact me at (626) 384-5484.

Sincerely,

CITY OF COVINA

Sharon Gallant  
Environmental Services and Transportation Manager

# 2016 Consumer Confidence Report for Drinking Water

## Introduction

Each day, City of Covina (City) employees strive to provide customers with the highest quality water, reliable service and competitive rates. This Consumer Confidence Report provides an overview of water quality and the testing results from 2016. The report also explains where your drinking water comes from, contaminants that may reasonably be expected to be found in your drinking water, and how Covina water quality compares with regulatory standards.



## 2016 Results

Your drinking water is regularly tested to ensure its safety. The City of Covina routinely tests drinking water from its distribution system for bacterial and chemical contaminants, while the Covina Irrigating Company and Metropolitan Water District of Southern California are responsible for testing their drinking water purchased by the City. The 2016 Consumer Confidence Report compares the quality of your tap water to Federal and State drinking water standards. The State allows the City to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the City's data, though representative, is more than one year old. The report also includes information on detected unregulated contaminants of interest.

## Your Water Supply

In 2016, approximately 96 percent of Covina's water supply came from the Covina Irrigating Company, which filters surface water from the San Gabriel River as well as untreated imported water from Three Valleys Municipal Water District. Approximately 4 percent of the water supply was imported surface water from Metropolitan Water District of Southern California, which comes from the Colorado River and Sacramento and San Joaquin rivers in Northern California through its Weymouth Plant. Drinking water is disinfected with chlorine or chloramines before it is delivered to your home; Covina Irrigating Company also employs ultraviolet light (UV) technology to disinfect its water supply.

## Water Quality Standards

Drinking water standards established by the U.S. Environmental Protection Agency (U.S. EPA) and State Water Resources Control Board, Division of Drinking Water (DDW) set limits for substances that may affect consumer health or aesthetic qualities of drinking water. 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.

The chart in this report shows the following types of water quality standards:

- ◆ **Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the Public Health Goals or Maximum Contaminant Level Goals as is economically and technologically feasible.
- ◆ **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.
- ◆ **Secondary MCLs:** set to protect the odor, taste, and appearance of drinking water.
- ◆ **Primary Drinking Water Standard:** MCLs and MRDLs for contaminants that affect health, along with their monitoring and reporting requirements, and water treatment requirements.
- ◆ **Treatment Technique:** 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.

- ◆ **Notification Level (NL):** The level above which a water agency is required to notify its governing body (i.e. City Council, Board of Directors, and County Board of Supervisors) if an unregulated contaminant is found in its drinking water.

## Water Quality Goal

In addition to mandatory water quality standards, U.S. EPA and the State of California have set voluntary water quality goals for some contaminants. The chart in this report includes three types of water quality goals:

- ◆ **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 U.S. EPA.
- ◆ **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.
- ◆ **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 EPA.

## Contaminants That May Be Present in Source Water

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. 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 water poses a health risk. More information about contaminants and potential health effects can be obtained at [www.epa.gov/ground-water-and-drinking-water](http://www.epa.gov/ground-water-and-drinking-water) or by calling the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.

## 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,** which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- ◆ **Radioactive contaminants,** which can be naturally-occurring or be the result of oil and gas production and mining activities.
- ◆ **Organic chemical contaminants,** including synthetic and volatile organic chemicals that are byproducts of industrial processes and petroleum production, and can also come from gasoline stations, urban stormwater runoff, agricultural applications, and septic systems.

## Questions About Your Water? Contact Us for Answers.

For more information about this report, or if you have questions related to your drinking water, please contact Ms. Sharon Gallant, City of Covina Environmental Services and Transportation Manager, at (626) 384-5484.

The City of Covina City Council meets on the 1<sup>st</sup> and 3<sup>rd</sup> Tuesday of each month at 7:30 pm in the City Hall Council Chambers, located at 125 East College Street. These meetings provide an opportunity for public participation in decisions that may affect the quality of your water.

## Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from [www.epa.gov/ground-water-and-drinking-water](http://www.epa.gov/ground-water-and-drinking-water) or by calling the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.

# City of Covina ~ 2016 Drinking Water Quality

Constituent and (Units)	MCL	PHG (MCLG)	Most Recent Test	Covina Irrigating Company		MWD		MCL Violation?	Typical Source of Contaminant
				Surface Water		Surface Water			
				Results <sup>(1)</sup>	Range of Detections	Results <sup>(1)</sup>	Range of Detections		
<b>Primary Drinking Water Standards</b>									
Surface Water Treatment	TT = 1 NTU			0.24	–	0.03	–	No	
Filter Effluent Turbidity (NTU) <sup>(2)</sup>	TT = at least 95% of samples ≤ 0.3 NTU	NA	2016	100%	–	100%	–	No	Soil Runoff
<b>Radiological Constituents</b>									
Gross Alpha (pCi/L)	15	(0)	2016	3.2	3.2	ND	ND – 4	No	Erosion of natural deposits
Gross Beta (pCi/L)	50	(0)	2016	ND	ND	5	4 – 6	No	Decay of natural and man-made deposits
Uranium (pCi/L)	20	0.43	2016	1.7	1.7	3	2 – 3	No	Erosion of natural deposits
<b>Inorganic Chemicals</b>									
Aluminum (mg/L)	1	0.6	2016	<0.05	0.011 – 0.11	0.159	0.077 – 0.22	No	Runoff/leaching from natural deposits
Arsenic (µg/L)	10	0.004	2016	2.9	1.7 – 4.2	ND	ND	No	Erosion of natural deposits
Barium (mg/L)	1	2	2016	ND	ND	0.144	0.144	No	Erosion of natural deposits
Fluoride (mg/L) – naturally-occurring	2	1	2016	0.2	ND – 0.21	NR	NR	No	Runoff/leaching from natural deposits
Fluoride (mg/L) – treatment-related	0.6 – 1.2 Optimal Range		2016	NR	NR	0.7	0.6 – 1	No	Water additive for dental health
Nitrate as N (mg/L)	10	10	2016	0.5	0.33 – 0.7	ND	ND	No	Runoff/leaching from fertilizer
<b>Secondary Drinking Water Standards</b>									
Aluminum (µg/L)	200	600	2016	<50	11 – 110	159	77 – 220	No	Runoff/leaching from natural deposits
Chloride (mg/L)	500	NA	2016	56	43 – 68	103	103	No	Runoff/leaching from natural deposits
Color (color units)	15	NA	2016	ND	ND	1	1	No	Naturally-occurring organic materials
Odor (threshold number)	3	NA	2016	1	1	2	2	No	Naturally-occurring organic materials
Specific Conductance (µmho/cm)	1600	NA	2016	460	410 – 500	1,035	1,020 – 1,050	No	Substances that form ions when in water
Sulfate (mg/L)	500	NA	2016	36	23 – 48	258	256 – 259	No	Runoff/leaching from natural deposits
Total Dissolved Solids (mg/L)	1,000	NA	2016	260	220 – 300	655	650 – 659	No	Runoff/leaching from natural deposits
<b>Unregular Constituents of Interest</b>									
Alkalinity, total as CaCO <sub>3</sub> (mg/L)	NA	NA	2016	110	75 – 140	118	113 – 124	NA	Runoff/leaching from natural deposits
Calcium (mg/L)	NA	NA	2016	30	17 – 43	77	75 – 79	NA	Runoff/leaching from natural deposits
Hardness as CaCO <sub>3</sub> (mg/L)	NA	NA	2016	120	79 – 150	300	293 – 306	NA	Runoff/leaching from natural deposits
Magnesium (mg/L)	NA	NA	2016	10	8.9 – 12	26	25 – 27	NA	Runoff/leaching from natural deposits
pH (pH units)	NA	NA	2016	8	7.7 – 8.4	8.1	8.1	NA	Hydrogen ion concentration
Potassium (mg/L)	NA	NA	2016	3	2.4 – 3.5	5.1	5 – 5.1	NA	Runoff/leaching from natural deposits
Sodium (mg/L)	NA	NA	2016	42	39 – 44	105	104 – 106	NA	Runoff/leaching from natural deposits

<b>Unregulated Chemicals Requiring Monitoring at Entry Points to the Distribution System</b>									
Constituents and (Units)	NL	PHG (MCLG)	Most Recent Test	Average Amount	Range of Detections				
Chlorate (µg/L)	800	NA	2015	260	250 – 260	NA = Not Applicable; NTU = Nephelometric Turbidity Units; MCL = Maximum Contaminant Level; ND = Not Detected; NR = Not Required; PHG = Public Health Goal; MCLG = Federal MCL Goal; µg/L = parts per billion or micrograms per liter; pCi/L = picocuries per liter; mg/L = parts per million or milligrams per liter; < = average is less than the detection limit for reporting purposes; µmho/cm = micromhos per centimeter; NL = Notification Level; MWD = Metropolitan Water District of Southern California, Weymouth Plant			
Chromium, Hexavalent (µg/L) <sup>[3]</sup>	MCL = 10	0.02	2015	0.39	0.38 – 0.4				
Chromium, Total (µg/L) <sup>[4]</sup>	MCL = 50	(100)	2015	0.45	0.44 – 0.45				
1,4-Dioxane (µg/L)	1	NA	2015	0.083	0.083				
Molybdenum, Total (µg/L)	NA	NA	2015	5.4	5.4				
Strontium, Total (µg/L)	NA	NA	2015	390	380 – 390				
Vanadium, Total (µg/L)	50	NA	2015	5.1	5 – 5.1				

[1] The results reported in the table are average concentrations of the constituents detected in your drinking water during year 2016, except for turbidity, which is described below.  
 [2] Turbidity is a measure of the cloudiness of the water, an indication of particulate matter, some of which might include harmful microorganisms. Low turbidity in MWD's and Covina Irrigating Company's treated surface water is a good indicator of effective filtration. Filtration is called a "treatment technique" (TT). A treatment technique is a required process intended to reduce the level of contaminants in drinking water that are difficult and sometimes impossible to measure directly.  
 [3] Hexavalent chromium is regulated with an MCL of 10 µg/L but was not detected, based on the detection limit for purposes of reporting of 1 µg/L. Hexavalent chromium was included as part of the unregulated chemicals requiring monitoring.  
 [4] Total chromium is regulated with an MCL of 50 µg/L but was not detected, based on the detection limit for purposes of reporting of 10 µg/L. Total chromium was included as part of the unregulated chemicals requiring monitoring.

## City of Covina Distribution System Water Quality

Constituent and (Units)	MCL or (MRDL)	MCLG or (MRDLG)	Average Amount	Range of Detections	MCL Violation?	Most Recent Test	Typical Source of Contaminant
<b>Disinfectant / Disinfection Byproducts</b>							
Total Trihalomethanes (µg/L) <sup>[1]</sup>	80	NA	48	25 – 88	No	Quarterly	Byproducts of drinking water chlorination
Haloacetic Acids (µg/L) <sup>[1]</sup>	60	NA	20	ND – 24	No	Quarterly	Byproducts of drinking water disinfection
Chlorine Residual (mg/L) <sup>[1]</sup>	(4)	(4)	1.9	0.02 – 3.2	No	Weekly	Drinking water disinfectant added for treatment
<b>Aesthetic Quality</b>							
Color (color units) <sup>[2]</sup>	15	NA	13	ND – 40	No	Monthly	Naturally-occurring organic materials
Odor (threshold odor number) <sup>[2]</sup>	3	NA	3	1 – 5	No	Monthly	Naturally-occurring organic materials
Turbidity (NTU) <sup>[2]</sup>	5	NA	6.7 <sup>[3]</sup>	ND – 18	Yes	Monthly	Soil runoff

[1] The highest running annual average is reported as average amount while the maximum and minimum of the individual results are reported as range of detections. Compliance is based on the running annual average.  
 [2] This water quality is regulated by a secondary standard to maintain aesthetic characteristics (taste, odor, color).  
 [3] The secondary MCL for turbidity was exceeded in 2016 based on a running annual average, due to the elevated level detected during February 2016, in only one sampling location. The City of Covina took follow-up actions to flush the system pipeline near the location of the elevated detection. Subsequent samples collected showed reduced levels of turbidity below the secondary MCL. Secondary MCLs are in place to establish an acceptable aesthetic quality. A turbidity secondary MCL exceedance does not pose a health risk.

Lead and Copper Rule At-the-Tap Samples	Action Level	PHG	90 <sup>th</sup> Percentile Value	Sites Exceeding Action Level	Action Level Violation	Typical Source of Contaminant
Lead (µg/L)	15	0.2	ND <5	1/30	No	Corrosion of household plumbing
Copper (mg/L)	1.3	0.3	0.086	0/30	No	Corrosion of household plumbing

In July 2016, 30 residences were tested for lead and copper at-the-tap. Concentrations were measured at the tap. The 90th percentile concentration is reported in the table as the "Result." Lead was detected in two samples and copper was detected in 12 samples. One result for lead exceeded the regulatory Action Level and no results for copper exceeded the regulatory Action Level. The regulatory Action Level is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

## Unregulated Chemicals Requiring Monitoring in the Distribution System

Constituent and (Units)	NL	PHG (MCLG)	Most Recent Test	Average Amount	Range of Detections	
Chlorate (µg/L)	800	NA	2015	660	660	
Chromium, Hexavalent (µg/L) <sup>[1]</sup>	MCL = 10	0.02	2015	0.35	0.35	[1] Hexavalent chromium is regulated with an MCL of 10 µg/L but was not detected, based on the detection limit for purposes of reporting of 1 µg/L. Hexavalent chromium was included as part of the unregulated chemicals requiring monitoring.
Chromium, Total (µg/L) <sup>[2]</sup>	MCL = 50	(100)	2015	0.41	0.41	
Molybdenum, Total (µg/L)	NA	NA	2015	5	5	
Strontium, Total (µg/L)	NA	NA	2015	420	420	
Vanadium, Total (µg/L)	50	NA	2015	4.7	4.7	[2] Total chromium is regulated with an MCL of 50 µg/L but was not detected, based on the detection limit for purposes of reporting of 10 µg/L. Total chromium was included as part of the unregulated chemicals requiring monitoring.



Inside...

CITY OF COVINA

# 2016 Water Quality Report

(CONSUMER CONFIDENCE REPORT)

*The Quality of Your Water  
is Our Primary Concern*

## Questions or Concerns About Your Water?

For more information or questions regarding this report,  
please contact:

**Ms. Sharon Gallant,**

City of Covina, Environmental Services  
and Transportation Manager,  
at (626) 384-5484.

*Este informe contiene información  
muy importante sobre su agua potable.*

*Para mas información ó traducción, favor de contactar a  
Ms. Sharon Gallant. Telefono: (626) 384-5484.*

此份有關你的食水報告,內有重要資料和訊息,請找  
他人為你翻譯及解釋清楚。



**City of Covina**

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### The U.S. EPA Would Like You to Know About Lead in Tap Water

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.

The City of Covina is responsible for providing high-quality drinking water, but cannot control the variety of materials used in home 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 [www.epa.gov/lead](http://www.epa.gov/lead) or by calling the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.



### Drinking Water Source Assessments

#### Covina Irrigating Company

Every five years, Covina Irrigating Company, from which the City of Covina purchases water, is required by the DDW to examine possible sources of drinking water contamination in its surface source water. A Watershed Sanitary Survey (WSS) for Covina Irrigating Company's surface water source was updated in December 2015. The WSS concluded that Covina Irrigating Company's surface water source is vulnerable to: erosion, debris removal, forest fires and recreational activities.

U.S. EPA also requires Covina Irrigating Company to complete a Source Water Assessment (SWA) that utilizes information collected in the WSS. The SWA was completed in April 2003. The SWA concluded that Covina Irrigating Company's surface source is considered to be most vulnerable to the following activities that may contribute to detected microbiological and turbidity contaminants in the raw supply: animal feeding operations, permitted discharges, unauthorized dumping, septic systems, campgrounds and recreational areas. In addition, the source is considered most vulnerable to the following activities for which no associated chemical contaminant has been detected: historical mining operations and animal feeding operations.

Copies of Covina Irrigating Company's most recent WSS or the SWA can be obtained by contacting the Covina Irrigating Company at (626) 332-1502.

#### Metropolitan Water District of Southern California

Every five years, the Metropolitan Water District of Southern California, another source of water for the City of Covina, is required by the DDW to examine possible sources of drinking water contamination in Colorado River and State Water Project source waters.

The most recent Watershed Sanitary Surveys for Metropolitan Water District of Southern California's source waters are the Colorado River Watershed Sanitary Survey – 2015 Update, and the State Water Project Watershed Sanitary Survey – 2011 Update. Both source waters are exposed to stormwater runoff, recreational activities, wastewater discharges, wildlife, fires, and other watershed-related factors that could affect water quality.

U.S. EPA also requires Metropolitan Water District of Southern California to complete a SWA that utilizes information collected in the Watershed Sanitary Surveys. Metropolitan Water District of Southern California completed its SWA in December 2002. The SWA is used to evaluate the vulnerability of water sources to contamination and helps determine whether more protective measures are needed.

Copies of the most recent Watershed Sanitary Survey or the SWA can be obtained by contacting the Metropolitan Water District of Southern California at (800) CALL-MWD.