



2016 Annual Drinking Water Quality Report

(Consumer Confidence Report)



City of Rialto, California

Este informe contiene información muy importante acerca del Agua Potable. Tradúzcalo o hable con alguien que lo entienda bien.

CITY COUNCIL AND ELECTED OFFICIALS

Deborah Robertson, Mayor
Ed Scott, Mayor Pro Tem
Joe Baca, Jr. Council Member
Rafael Trujillo, Council Member
Andy Carrizales, Council Member
Barbara McGee, City Clerk
Edward Carrillo, City Treasurer

Meets the 2nd and 4th Tuesday of each month 6:00 PM in the Council Chambers located at 150 S. Palm Avenue.

UTILITIES COMMISSION

Barbara Zrelak-Rickman, Chairperson
June Hayes, Vice Chairperson
Richard "Kim" Chitwood, Commissioner
Kevin Carlson Kobbe, Commissioner
James Shields, Commissioner

Meets the 3rd Tuesday of each month at 6:15 PM in the Council Chambers located at 150 S. Palm Avenue.

CITY EXECUTIVE STAFF

Michael E. Story, City Administrator
Thomas Crowley, Utility Manager



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Annual Drinking Water Report

The purpose of this report is to provide information about the quality of the water delivered to customers this past year of 2016. This report is mandated by the USEPA, but we believe it is your right to know where your water comes from and what it contains. We are happy to report that we have consistently delivered water that has met or exceeded the standards set by State and Federal Law. More information about contaminants and potential health effects can be obtained by calling the USEPA's (United States Environmental Protection Agency) Safe Drinking Water Hotline 1(800) 426-4791. For information regarding this Consumer Confidence Report please contact David Terry, Project Manager or Clarence Mansell, General Manager Rialto Water Services—Veolia. (909) 820-0400.

About Rialto Water Services

The City of Rialto and Rialto Utility Authority (RUA), in partnership with Rialto Water Services (RWS) formed a public-private partnership to execute a 30 year water and wastewater concession. RWS is a partnership between Table Rock Capital and the Union Labor Life Insurance Company (Ullico). RWS contracts with Veolia North America to operate the water and wastewater systems. Under the concession agreement, the City retains full ownership of the water and wastewater systems, retains all water rights and supply, and possesses the rate-setting authority associated with the facilities. RWS provides financial backing, oversight and concession services while Veolia delivers all water and wastewater services, including billing and customer service, and oversees a \$41 million capital improvement program to upgrade aging facilities.

OUR MISSION:

RWS operated by Veolia is committed to the long-term performance, safety, customer and community satisfaction, and lasting cost and energy efficiencies of Rialto's water and wastewater systems, on behalf of the City's residents.

Customer Service: (909) 820-2546

Emergency After Hours: (909) 820-0400

On the Web: www.rialtowater.com

EPA Safe Drinking Water Hotline: 1(800) 426-4791

FACTS ABOUT OUR WATER SYSTEM

In 2016, 70% of our total potable water came out of the ground water basins,

18% was supplied by San Bernardino Valley Municipal Water District and,

12% by West Valley Water District of its surface water entitlement.

- Number of Water Service Connections = 11,694
- Miles of Water Main = 186.5
- Number of Producing Wells = 6
- Total Reservoir Capacity = 28 million gallons
- Maximum Daily Production = 11.733 million gallons
- Minimum Daily Production = 1.083 million gallons
- Average Daily Production = 7.38 million gallons
- Total Annual Production = 2.695 billion gallons

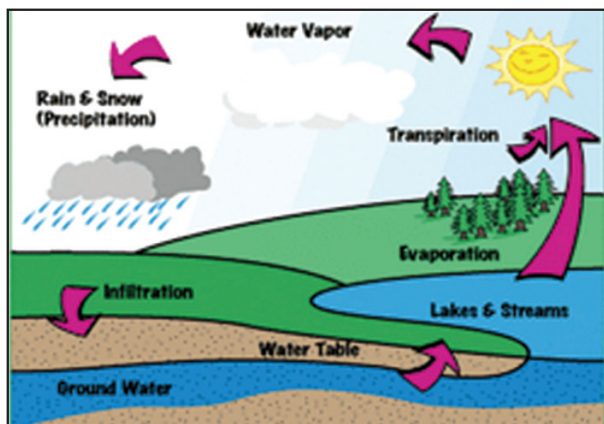
What is surface water?

It is any water that travels or is stored on top of the ground. This would be the water that is in rivers, lakes, streams, oceans--even though we can't drink salt water. Sometimes surface water sinks into the ground and becomes ground water. Surface water is treated before it becomes drinking water.



What is ground water?

Any water that is under ground is ground water. In the water cycle, some of the precipitation sinks into the ground and goes into watersheds, aquifers and springs. Ground water flows through layers of sand, clay, rock, and gravel which cleans the water. Ground water stays cleaner than water on the surface and does not need as much treatment as surface water.



Contaminants That May be Present in Source Water:

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, which 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, which are byproducts of industrial processes and petroleum production, and can, also, come from gas stations, urban storm water runoff, and septic systems.

Radioactive contaminants can naturally occur or be the result of oil and gas production and mining activities.

Perchlorate Information

To ensure the ongoing safety and quality of the water resource, neighboring local public agency West Valley Water District is in direct partnership with the City of Rialto to lead all perchlorate remediation activities. Rialto has a zero tolerance policy regarding water that contains detectable levels of perchlorate. We currently have wellhead treatment on three of our wells for the removal of perchlorate. This wellhead treatment removes the perchlorate to a non-detection level. The other wells affected by perchlorate contamination have been out of service and have not been used since the detection occurred. These responses, especially the installation of ion exchange water treatment systems, have produced a measure of success that has allowed the City to reliably deliver potable water to all of its customers. The drought continues to lower ground water levels in the Rialto-Colton Basins. The cost to treat perchlorate contaminated water for the three key wells outfitted with the ion exchange systems has been high. The City of Rialto urges all of its residents to continue conserving water and to look for new ways to reduce the demand in our system. The City of Rialto continues to work with those responsible for the contamination to remediate perchlorate contamination in the water supply.

CITY OF RIALTO WATER QUALITY RESULTS FOR 2016

NOT ALL CONSTITUENTS ARE REQUIRED TO BE SAMPLED YEARLY.

PRIMARY STANDARDS - MANDATORY HEALTH -RELATED STANDARDS

Parameter	Units	MCL	PHG (MCLG)	Range Average	Water Source			Major Sources in Drinking Water
					City of Rialto	West Valley Water District (WVWD)	San Bernardino Valley Municipal Water District (BLF)	

MICROBIOLOGICAL CONTAMINANTS

Total Coliform Bacteria (Total Coliform Rule)	Present/Absent (P/A)	Presence of Coliform Bacteria in 5% of Monthly Samples	N/A	0-3.37%	0.01%	0.03%	0%	Naturally present in the environment
Fecal Coliform and E. Coli (Total Coliform Rule)	Present/Absent (P/A)	Presence of Total Coliform or E. Coli in a repeat sample	N/A	0-1.25%	A	0.01%	0%	Human and animal feces
Heterotrophic Plate Count (HPC)	CFU	500	N/A	Range	.24	0-420		Naturally present in the environment
				Average	2.8	18.5		

RADIOACTIVE CONTAMINANTS (SAMPLED IN 2014)

Gross Alpha	(pCi/L)	15	N/A	Range	1.39-4.22		11	Erosion of natural deposits
				Average	2.67		11	
Uranium	(pCi/L)	20	0.05	Range	ND		.89	Erosion of natural deposits
				Average	ND		.89	
Combined Radium 226/228	(pCi/L)	5	N/A	Range	ND		ND	Erosion of natural deposits
				Average	ND		ND	

INORGANIC CONTAMINANTS

Arsenic	ppb	10	0.004	Range	ND-4.0	0-6.3	ND	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
				Average	1.11	2.9	ND	
Barium	ppm	1	2	Range	*			Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
				Average	*			
Fluoride	ppm	2	1	Range	0.3	0.18	0.3-0.5	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
				Average	0.3	0.18	0.4	
Hexavalent Chromium	ppb	10	0.02	Range	*	0-3	2.7	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits
				Average	*	1.6	2.7	
Nitrate (as N)	ppm	10	10	Range	1.1-9.2	0-8.7	1.4-6.6	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
				Average	3.0	5.2	4.3	
Perchlorate	ppb	6	1	Range	ND	ND		Perchlorate is an organic chemical used in solid rocket propellant, fireworks, explosives, flares, matches, and a variety of industries. It usually gets into drinking water as a result of environmental contamination from historic erospase or other industrial operations that used or use, store, or dispose of perchlorate and its salts
				Average	ND	ND		
Selenium	ppb	50	30	Range	ND			Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additive)
				Average	ND			

SYNTHETIC ORGANIC CONTAMINANTS including Pesticides/PCBs

Dibromochloropropane (DBCP)	ppt	200	1.7	Range	ND			Banned nematocide that may still be present in soils due to runoff/leaching from former use on soybeans, cotton, vineyards, tomatoes, and tree fruit
				Average	ND			

VOLATILE ORGANIC CONTAMINANTS

Tetrachloroethene (PCE)	ppb	5	0.06	Range	ND		0.50-0.58	Discharge from factories, dry cleaners, and auto shops (metal degreaser)
				Average	ND		0.54	
Trichloroethene (TCE)	ppb	5	1.7	Range	ND-0.68		0.1	Discharge from metal degreasing sites and other factories
				Average	.11		0.1	

SECONDARY STANDARDS - AESTHETIC STANDARDS								
Parameter	Units	MCL	PHG (MCLG)	Range Average	Water Source			Major Sources in Drinking Water
					City of Rialto	West Valley Water District (WVWD)	San Bernardino Valley Municipal Water District (BLF)	

MICROBIOLOGICAL CONTAMINANTS

Aluminum	ppb	200	600	Range	*	0.014	0.014	Erosion of natural deposits; residual from some surface water treatment processes
				Average	*	0.014	0.014	
Chloride	ppm	500	N/A	Range	3.6-6.3	16	6.3-12	Runoff/leaching from natural deposits; seawater influence
				Average	46	16	9.2	
Corrosivity (as Aggressiveness Index)	Al	N/A	N/A	Range	*			Elemental balance in water; affected by temperature, other factors
				Average	*			
Foaming Agents (MBAS)	ppb	500	N/A	Range	ND			Municipal and industrial waste discharges
				Average	ND			
Manganese	ppb	50	NL=500	Range	ND-2.8			Leaching from natural deposits
				Average	4.7			
Odor Threshold	ppb	5	N/A	Range	ND			Naturally-occurring organic materials
				Average	ND			
Specific Conductance	uS/cm	1,600	N/A	Range	330-430	360-560		Substances that form ions when in water; seawater influence
				Average	357	458		
Sulfate	ppm	500	N/A	Range	12-35	30	35-49	Runoff/leaching from natural deposits; industrial wastes
				Average	17.5	30	42	
Total Dissolved Solids (TDS)	ppm	1,000	N/A	Range	150-320	280-310	240-350	Runoff/leaching from natural deposits
				Average	235	296	299	
Turbidity	Units	5	N/A	Range	0-2.8	0-1.5	ND-0.4	Soil runoff
				Average	0.36	0.99	0.063	

UNREGULATED Contaminants with no MCLs

HEALTH EFFECTS

Boron	ppm	N/A	NL=1	Range	*		<32	The babies of some pregnant women who drink water containing boron in excess of the notification level may have an increased risk of developmental effects, based on studies in laboratory animals
				Average	*		<32	
Trichloropropane (1,2,3-TCP)	ppt	N/A	NL=5	Range	ND			Some people who use water containing 1,2,3-trichloropropane in excess of the notification level over many years may have an increased risk of getting cancer, based on studies in laboratory animals.
				Average	ND			
Vanadium	ppb	N/A	NL=50	Range	*	5.9	3.5	The babies of some pregnant women who drink water containing vanadium in excess of the notification level may have an increased risk of developmental effects, based on studies in laboratory animals
				Average	*	5.9	3.5	

OTHER PARAMETERS

Alkalinity	ppm	N/A	N/A	Range	140-170	96-230		
				Average	147	147		
Bicarbonate	ppm	N/A	N/A	Range	160-200	110		
				Average	175	110		
Calcium	ppm	N/A	N/A	Range	37-66	32-85		
				Average	51	52		
Hardness	ppm	N/A	N/A	Range	120-210	160	170-190	
				Average	157	160	180	
Magnesium	ppm	N/A	N/A	Range	5.7-10	9		
				Average	6.8	9		
pH	pH Units	N/A	N/A	Range	7.6-7.9	7-8.3		
				Average	7.8	7.8		
Potassium	ppm	N/A	N/A	Range	1.6-2.9	1.9		
				Average	2.1	1.9		
Sodium	ppm	N/A	N/A	Range	9.9-25	23	11-16	
				Average	13.5	23	13.5	

SECONDARY STANDARDS - AESTHETIC STANDARDS

Parameter	Units	MCL	PHG (MCLG)	Range Average	Water Source			Major Sources in Drinking Water
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DISINFECTION BYPRODUCTS

Total Trihalomethanes (TTHMs)	ppb	80	N/A	Range	0-41.5	0-87.3	1.1	Byproduct of drinking water disinfection
				Average	9.6	30.5	1.1	
Haloacetic Acids	ppm	N/A	N/A	Range	0-16	0-18.7		Byproduct of drinking water disinfection
				Average	3.5	5.7		
Chlorine	mg/L	0.2-4.0	N/A	Range	0.4-2.20	0-2.88		Drinking water disinfectant added for treatment
				Average	1.0	1.15		

CITY OF RIALTO LEAD AND COPPER (SAMPLED IN 2015)

Lead	ug/L	15	0.2	Range	30	ND	0	Internal corrosion of household plumbing system
				Average		ND	0	
Copper	ug/L	1300	300	Range	30	ND-360	0	Internal corrosion of household plumbing system
				Average		61	0	

WVWD LEAD AND COPPER (SAMPLED IN 2015)

Lead	ug/L	15	0.2	Range	30	ND-5	0	Internal corrosion of household plumbing system
				Average		0.17	0	
Copper	ug/L	1300	300	Range	30	ND-220	0	Internal corrosion of household plumbing system
				Average		79	0	

* Constituent not sampled for in 2016

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 (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 level of a disinfectant added for water treatment that may not be exceeded at the consumer's tap.

Maximum Residual Disinfectant Level Goal (MRDLG):

The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDLGs are set by the U.S. Environmental Protection Agency.

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:

Department permission to exceed an MCL or not comply with a treatment technique under certain conditions.

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)

ppt: parts per trillion or nanograms per liter (ng/L)

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

µs/cm - microSiemen per centimeter; or micromho per centimeter (µmho/cm)

Water and Employee Quality

Rialto Water Services is proud to inform residents that the Water Division has passed another annual water quality checkup. City of Rialto Water has met all the Clean Water Standards set forth by the State and Federal Governments in 2004. Part of meeting these requirements is having California Water Resources Control Board and American Water Works Association (AWWA) certified employees in water distribution, treatment and cross connection/ backflow protection. Certifications are obtained by taking college-level courses in water science and engineering. We have entered into a collective bargaining agreement that has placed even higher standards on operators and certification levels. In addition, staff continues to upgrade certifications as a part of our continuing education program. State and federal certifications allow us to operate and maintain the public water system for the City of Rialto. This is just one of the many committed efforts we put towards producing clean drinking water to our customers.



Help Us Conserve This Precious Resource

- While 2016 was an abnormally wet year, helping the State of California emerge from historic drought, there is still a need to conserve this precious resource. Surface water levels are back to normal, but groundwater basins, where much of Rialto's water comes from, are still depleted from the recent drought. We all play an important role in meeting conservation targets set by the state, whether at home or work. Please review these simple water conservation tips and help us conserve this, our most precious natural resource.
- Fill washing machine and dishwasher before running them. Partial loads use the same amount of water as full loads.
- Maximize the space in your machines and only run them when full.
- Little leaks add up in a hurry. A dripping faucet or a toilet leak can add up to hundreds of gallons of wasted water.
- Turn off the water while you brush your teeth.
- Be sure to use low-flow showerheads and install aerators on your kitchen and bathroom faucets. They restrict the flow without compromising water pressure.
- Do not use a hose outside to clean sidewalks and driveways. Use a broom instead.
- Follow the Stage 2 Water Warning issued by the City.
- Be water wise and think before you turn on the tap.

The City of Rialto offers rebate programs to help you purchase high-efficiency toilets and washing machines, smart irrigation timers, high-efficiency and automatic shut off nozzles, and turf replacement. Please visit the utility's website at www.rialtowater.com and look for the rebate application.

For more conservation tips and other drought-related information, please visit www.iefficient.com. iEfficient is a collaborative conservation effort developed by water agencies and cities throughout the Inland Empire. Recognizing the need to change the way local families and businesses think about and use water, we have united to help end water waste in the Inland Empire. The City of Rialto and Rialto Water Services are proud to support this important initiative.

WATER CONSERVATION

STAGE 2 WATER ALERT IS NOW IN EFFECT

On July 26, 2016, the City of Rialto relaxed water conservation requirements to reflect the latest drought conditions. The newly adopted Stage 2 Water Alert is necessary to help the City of Rialto maintain a sufficient water supply.

Rialto Water Services is requiring customers to:



Reduce water use by 20 percent.

Limit outdoor watering to **four days per week between 8 p.m. and 6 a.m.**; 10 minutes per station maximum. (Unless using drip irrigation or a weather-based irrigation controller.)



Repair leaks within 72 hours of notification by the City.



Refrain from watering during or within 48 hours of measurable rainfall, and on windy days.



Prevent water waste from runoff, overspray, breaks and leaks.



Avoid hosing off sidewalks, driveways and patios.



Use a hose with an automatic shutoff nozzle when washing vehicles.



Use a recirculating pump in fountains and water features.



Hotels and motels must provide guests with the option of not laundering sheets and towels daily.



Restaurants may serve water only on request.



For more information about these restrictions and other ways you can help conserve water, visit www.yourrialto.com, www.rialtowater.com and www.iEfficient.com.

ETAPA 2 ALERTA DE AGUA AHORA EN EFECTO

El 26 de julio del 2016, la Ciudad de Rialto relajó los requisitos de conservación de agua para reflejar las últimas condiciones de sequía. La Etapa 2 Alerta de Agua recién adoptada es necesaria para ayudar a la Ciudad de Rialto mantener un suministro de agua suficiente.

Rialto Water Services está requiriendo a los clientes:



Reducir el consumo de agua por 20 por ciento.



Limitar el riego del exterior a **cuatro días por semana entre las 8 p.m. y las 6 a.m.**; 10 minutos máximos por estación. (A menos que usen riego por goteo o un controlador de riego basado en el clima.)



Repare las fugas dentro 72 horas de notificación de la Ciudad.



Abstenerse del riego durante o dentro de las 48 horas de lluvia medible, y días ventosos.



Evite el desperdicio de agua de escorrentía, exceso de rociado, roturas y fugas.



Evita el lavado de banquetas, entradas y patios.



Use una manguera con boquilla de cierre automático para lavar vehículos.



Use una bomba de recirculación en fuentes y elementos acuáticos.



Hoteles y moteles deben ofrecer a los huéspedes la opción de no lavar las sábanas y toallas diario.



Los restaurantes pueden servir agua solamente bajo petición.

Más información sobre estas restricciones y otras formas que pueda ayudar ahorrar agua, visite www.yourrialto.com, www.rialtowater.com and www.iEfficient.com.