

Consumer Confidence Report Certification Form

(to be submitted with a copy of the CCR)

(to certify electronic delivery of the CCR, use the certification form on the State Water Board's website at http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml)

Water System Name: **River Retreat Mutual Water Company**

Water System Number: **5400556**

The water system above hereby certifies that its Consumer Confidence Report was distributed on _____ (date) to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the State Water Resources Control Board, Division of Drinking Water.

Certified By: Name _____
Signature _____
Title _____
Phone Number () _____ Date _____

To summarize report delivery used and good-faith efforts taken, please complete the form below by checking all items that apply and fill-in where appropriate:

_____ CCR was distributed by mail or other direct delivery methods. Specify other direct delivery methods used:

_____ "Good faith" efforts were used to reach non-bill paying customers. Those efforts included the following methods:

_____ Posted the CCR on the internet at http:// _____

_____ Mailed the CCR to postal patrons within the service area (attach zip codes used)

_____ Advertised the availability of the CCR in news media (attach a copy of press release)

_____ Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of the newspaper and date published)

_____ Posted the CCR in public places (attach a list of locations)

_____ Delivery of multiple copies of CCR to single bill addresses serving several persons, such as apartments, businesses, and schools

_____ Delivery to community organizations (attach a list of organizations)

_____ Other (attach a list of other methods used)

_____ For systems serving at least 100,000 persons: Posted CCR on a publicly-accessible internet site at the following address: http:// _____

_____ For privately-owned utilities: Delivered the CCR to the California Public Utilities Commission

2019 Consumer Confidence Report

Water System Name: River Retreat Mutual Water Company

Report Date: May 2020

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, 2019.

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

Type of water source(s) in use: Information regarding the type of water source in use is not available, as this water system does not have a completed assessment on file. Please see the Drinking Water Source Assessment Information section located at the end of this report for more details.

Your water comes from 1 source(s): Well 02

Opportunities for public participation in decisions that affect drinking water quality: Regularly-scheduled water board or city/county council meetings currently are not held. RRMWC provides 1 to 2 shareholder meeting per year held in January and again in the summer. Shareholders are mailed an invitation/agenda and sometimes texted as well.

For more information about this report, or any questions relating to your drinking water, please call 559-561-3158 ext 559561 and ask for Alysia Schmidt or email rrmwcbod@gmail.com or visit our website at rrmwc.weebly.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.

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 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 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 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER						
Lead and Copper (complete if lead or copper detected in last sample set)	Sample Date	90th percentile level detected	No. Sites Exceeding AL	AL	PHG	Typical Sources of Contaminant
Lead (ug/L)	5 (2016)	2.6	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers, erosion of natural deposits
Copper (mg/L)	5 (2016)	0.16	0	1.3	.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Table 2 - SAMPLING RESULTS FOR SODIUM 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)	(2018)	296	n/a	none	none	Salt present in the water and is generally naturally occurring
Hardness (mg/L)	(2018)	326	n/a	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Table 3 - 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]	PHG (MCLG) [MRDLG]	Typical Sources of Contaminant
Fluoride (mg/L)	(2018)	0.6	n/a	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.

Gross Alpha (pCi/L)	(2018)	7.05	n/a	15	(0)	Erosion of natural deposits.
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Table 4 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING 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)	(2018)	603	n/a	500	n/a	Runoff/leaching from natural deposits; seawater influence
Manganese (ug/L)	(2018)	20	n/a	50	n/a	Leaching from natural deposits
Odor Threshold at 60 °C (TON)	(2018)	256	n/a	3	n/a	Naturally-occurring organic materials.
Specific Conductance (umhos/cm)	(2018)	2230	n/a	1600	n/a	Substances that form ions when in water; seawater influence
Sulfate (mg/L)	(2018)	4	n/a	500	n/a	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (mg/L)	(2018)	1660	n/a	1000	n/a	Runoff/leaching from natural deposits
Turbidity (NTU)	(2018)	0.4	n/a	5	n/a	Soil runoff

Table 5 - 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)	(2018)	1.6	n/a	1	Boron exposures resulted in decreased fetal weight (developmental effects) in newborn rats.

Table 6 - ADDITIONAL DETECTIONS

Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	Notification Level	Typical Sources of Contaminant
Calcium (mg/L)	(2018)	119	n/a	n/a	n/a
Magnesium (mg/L)	(2018)	7	n/a	n/a	n/a
pH (units)	(2018)	7.6	n/a	n/a	n/a
Alkalinity (mg/L)	(2018)	70	n/a	n/a	n/a
Aggressiveness Index	(2018)	11.9	n/a	n/a	n/a
Langelier Index	(2018)	-0.01	n/a	n/a	n/a

Table 7 - DETECTION OF DISINFECTANT/DISINFECTANT BYPRODUCT RULE

Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL (MRDL)	PHG (MCLG)	Violation	Typical Sources of Contaminant
Total Trihalomethanes (TTHMs) (ug/L)	(2019)	4	n/a	80	n/a	No	By-product of drinking water disinfection
Chlorine (mg/L)	(2019)	0.41	0.00 - 2.20	4.0	4.0	No	Drinking water disinfectant added for treatment.
Haloacetic Acids (five) (ug/L)	(2019)	1	n/a	60	n/a	No	By-product of drinking water disinfection

Additional General Information on Drinking Water

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 (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. *River Retreat Mutual Water Co.* 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 OF A MCL,MRDL,AL,TT, OR MONITORING AND REPORTING REQUIREMENT				
Violation	Explanation	Duration	Actions Taken To Correct the Violation	Health Effects Language
Chloride				n/a
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.
Specific Conductance				The conductivity of your water was found at levels that exceed the secondary MCL. The secondary MCLs were set to protect you against unpleasant aesthetic affects such as color, taste and odor. Violating this MCL does not pose a risk to public health.
Total Dissolved Solids				The TDS or Total Dissolved Solids in your water was found at levels that exceed the secondary MCL. The TDS MCLs was set to protect you against unpleasant aesthetic affects such as color, taste or hardness. Violating this MCL does not pose a risk to public health.

2019 Consumer Confidence Report

Drinking Water Assessment Information

Assessment Information

A Drinking Water Source Assessment has not been completed for the WELL 02 of the RIVER RETREAT MUTUAL water system.

Well 02 - does not have a completed assessment on file.

Discussion of Vulnerability

Assessment summaries are not available for some sources. This is because:

- The Assessment has not been completed. Contact the local Department of Health Services (DHS) Drinking Water field office or the water system to find out when the Assessment is scheduled to be done.
- The source is not active. It may be out of service, or new and not yet in service.
- The Assessment was not submitted electronically. The site used to obtain Assessments only provides access to Assessment summaries submitted electronically.

Acquiring Information

For more info you may visit https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/DWSAP.html or contact the health department in the county to which the water system belongs as indicated on this following link: https://www.waterboards.ca.gov/drinking_water/programs/documents/ddwem/DDWdistrictofficesmap.pdf

River Retreat Mutual Water Co.

Analytical Results By FGL - 2019

LEAD AND COPPER RULE

		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
Lead		ug/L	0	15	0.2			2.55	5
40987 Oakridge	VI 1642676-3	ug/L				2016-07-13	ND		
41056 Oakridge	VI 1642676-4	ug/L				2016-07-13	ND		
41084 Oakridge	VI 1642676-5	ug/L				2016-07-13	ND		
41099 Oakridge	VI 1642676-2	ug/L				2016-07-13	ND		
41113C Oakridge	VI 1642676-1	ug/L				2016-07-13	5.1		
Copper		mg/L		1.3	.3			0.155	5
40987 Oakridge	VI 1642676-3	mg/L				2016-07-13	0.09		
41056 Oakridge	VI 1642676-4	mg/L				2016-07-13	0.10		
41084 Oakridge	VI 1642676-5	mg/L				2016-07-13	0.05		
41099 Oakridge	VI 1642676-2	mg/L				2016-07-13	0.11		
41113C Oakridge	VI 1642676-1	mg/L				2016-07-13	0.20		

SAMPLING RESULTS FOR SODIUM AND HARDNESS

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Sodium		mg/L		none	none			296	296 - 296
Well 02	VI 1845375-1	mg/L				2018-10-04	296		
Hardness		mg/L		none	none			326	326 - 326
Well 02	VI 1845375-1	mg/L				2018-10-04	326		

PRIMARY DRINKING WATER STANDARDS (PDWS)

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Fluoride		mg/L		2	1			0.6	0.6 - 0.6
Well 02	VI 1845375-1	mg/L				2018-10-04	0.6		
Gross Alpha		pCi/L		15	(0)			7.05	7.05 - 7.05
Well 02	VI 1845375-1	pCi/L				2018-10-04	7.05		

SECONDARY DRINKING WATER STANDARDS (SDWS)

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Chloride		mg/L		500	n/a			603	603 - 603
Well 02	VI 1845375-1	mg/L				2018-10-04	603		
Manganese		ug/L		50	n/a			20	20 - 20
Well 02	VI 1845375-1	ug/L				2018-10-04	20		
Odor Threshold at 60 °C		TON		3	n/a			256	256 - 256
Well 02	VI 1845375-1	TON				2018-10-04	256		
Specific Conductance		umhos/cm		1600	n/a			2230	2230 - 2230
Well 02	VI 1845375-1	umhos/cm				2018-10-04	2230		
Sulfate		mg/L		500	n/a			4.0	4.0 - 4.0
Well 02	VI 1845375-1	mg/L				2018-10-04	4.0		
Total Dissolved Solids		mg/L		1000	n/a			1660	1660 - 1660
Well 02	VI 1845375-1	mg/L				2018-10-04	1660		
Turbidity		NTU		5	n/a			0.4	0.4 - 0.4
Well 02	VI 1845375-1	NTU				2018-10-04	0.4		

UNREGULATED CONTAMINANTS

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Boron		mg/L		NS	n/a			1.6	1.6 - 1.6
Well 02	VI 1845375-1	mg/L				2018-10-04	1.6		

River Retreat Mutual Water Co.

CCR Login Linkage - 2019

FGL Code	Lab ID	Date_Sampled	Method	Description	Property
40872 Oakridge	VI 1941657-1	2019-04-10	Field Test	40872 Oakridge	Bacteriological-Special
	VI 1941657-1	2019-04-10	Coliform	40872 Oakridge	Bacteriological-Special
40987 Oakridge	VI 1642676-3	2016-07-13	Metals, Total	40987 Oakridge	Pb & Cu Monitoring
41056 Oakridge	VI 1642676-4	2016-07-13	Metals, Total	41056 Oakridge	Pb & Cu Monitoring
41084 OAKRDG	VI 1642676-5	2016-07-13	Metals, Total	41084 Oakridge	Pb & Cu Monitoring
41099 OAKRIDGE	VI 1642676-2	2016-07-13	Metals, Total	41099 Oakridge	Pb & Cu Monitoring
41113C OAKRIDGE	VI 1642676-1	2016-07-13	Metals, Total	41113C Oakridge	Pb & Cu Monitoring
41148 OAKRIDGE	VI 1940256-1	2019-01-21	Coliform	41148 Oakridge	Water Monitoring
	VI 1940256-1	2019-01-21	Field Test	41148 Oakridge	Water Monitoring
	VI 1940574-1	2019-02-13	Coliform	41148 Oakridge	Water Monitoring
	VI 1940574-1	2019-02-13	Field Test	41148 Oakridge	Water Monitoring
	VI 1940922-1	2019-03-05	Coliform	41148 Oakridge	Water Monitoring
	VI 1940922-1	2019-03-05	Field Test	41148 Oakridge	Water Monitoring
	VI 1941588-1	2019-04-11	Coliform	41148 Oakridge	Water Monitoring
	VI 1941588-1	2019-04-11	Field Test	41148 Oakridge	Water Monitoring
	VI 1942220-1	2019-05-15	Field Test	41148 Oakridge	Water Monitoring
	VI 1942246-1	2019-05-17	Coliform	41148 Oakridge	Bacteriological Monitoring
	VI 1942246-1	2019-05-17	Field Test	41148 Oakridge	Bacteriological Monitoring
	VI 1942648-1	2019-06-05	Coliform	41148 Oakridge	Water Monitoring
	VI 1942648-1	2019-06-05	Field Test	41148 Oakridge	Water Monitoring
	VI 1943407-1	2019-07-09	Coliform	41148 Oakridge	Water Monitoring
	VI 1943407-1	2019-07-09	Field Test	41148 Oakridge	Water Monitoring
	VI 1944251-1	2019-08-09	Field Test	41148 Oakridge	Water Monitoring
	VI 1944251-1	2019-08-09	Coliform	41148 Oakridge	Water Monitoring
	VI 1945354-1	2019-09-17	Coliform	41148 Oakridge	Water Monitoring
	VI 1945354-1	2019-09-17	Field Test	41148 Oakridge	Water Monitoring
	VI 1946210-1	2019-10-21	Field Test	41148 Oakridge	Water Monitoring
	VI 1946210-1	2019-10-21	Coliform	41148 Oakridge	Water Monitoring
	VI 1946641-1	2019-11-06	Coliform	41148 Oakridge	Water Monitoring
	VI 1946641-1	2019-11-06	Field Test	41148 Oakridge	Water Monitoring
	VI 1947684-1	2019-12-16	Coliform	41148 Oakridge	Water Monitoring
	VI 1947684-1	2019-12-16	Field Test	41148 Oakridge	Water Monitoring
ST2S1-DBP	VI 1945355-1	2019-09-17	EPA 552.2	ST2S1 - 40972 OAK RIDGE DR	RIVER RETREAT MUTUAL
	VI 1945355-1	2019-09-17	EPA 551.1	ST2S1 - 40972 OAK RIDGE DR	RIVER RETREAT MUTUAL
WELL 02	VI 1845375-1	2018-10-04	General Mineral	Well 02	Well 2 - Water Quality
	VI 1845375-1	2018-10-04	Wet Chemistry	Well 02	Well 2 - Water Quality
	VI 1845375-1	2018-10-04	Radio Chemistry	Well 02	Well 2 - Water Quality