

# 2019 Consumer Confidence Report

Water System Name: BTQC-ESCALON

Report Date: March 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:** According to SWRCB records, this Source is Groundwater. This Assessment was done using the Default Groundwater System Method.

**Your water comes from 2 source(s):** Well A and Well B

**Opportunities for public participation in decisions that affect drinking water quality:** Regularly-scheduled water board or city/county council meetings currently are not held.

For more information about this report, or any questions relating to your drinking water, please call (209) 838 - 7842 and ask for Quality Service.

## 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.

**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.

**ND:** not detectable at testing limit

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

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

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

**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 and 3 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.

<b>Table 1 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER</b>						
<b>Lead and Copper</b> (complete if lead or copper detected in last sample set)	<b>Sample Date</b>	<b>90th percentile level detected</b>	<b>No. Sites Exceeding AL</b>	<b>AL</b>	<b>PHG</b>	<b>Typical Sources of Contaminant</b>
Copper (mg/L)	5 (2018)	0.13	0	1.3	.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

<b>Table 2 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD</b>						
<b>Chemical or Constituent</b> (and reporting units)	<b>Sample Date</b>	<b>Average Level Detected</b>	<b>Range of Detections</b>	<b>MCL [MRDL]</b>	<b>PHG (MCLG) [MRDLG]</b>	<b>Typical Sources of Contaminant</b>
Arsenic (ug/L)	(2017)	ND	ND - 3	10	0.004	Erosion of natural deposits; runoff from orchards, glass and electronics production wastes
Hexavalent Chromium (ug/L)	(2014)	1.9	ND - 3.7		0.02	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits.
Nitrate as N (mg/L)	(2019)	3.6	ND - 5.7	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Dibromochloropropane (DBCP) (ppt)	(2019)	50	30 - 70	200	1.7	Banned nematocide that may still be present in soils due to runoff/leaching from former use on soybeans, cotton, vineyards, tomatoes, and tree fruit

Table 3 - DETECTION OF UNREGULATED CONTAMINANTS					
Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	Notification Level	Typical Sources of Contaminant
Vanadium (mg/L)	(2017)	0.013	ND - 0.025	0.05	Vanadium exposures resulted in developmental and reproductive effects in rats.

## 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. *Barrel Ten Quarter Circle Winery* 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>.

## 2019 Consumer Confidence Report

### Drinking Water Assessment Information

#### Assessment Information

A source water assessment was conducted for WELL A and Well B of the BTQC-ESCALON water system in September, 2002.

Well A - is considered most vulnerable to the following activities not associated with any detected contaminants:

- Food processing
- Transportation corridors - Freeways/state highways
- Transportation corridors - Railroads
- Wells - Water supply

Well B - is considered most vulnerable to the following activities not associated with any detected contaminants:

- Food processing
- Transportation corridors - Freeways/state highways
- Transportation corridors - Railroads
- Wells - Water supply

#### Discussion of Vulnerability

Well A - There have been no contaminants detected in the water supply, however the source is still considered vulnerable to activities located near the drinking water source.

Well B - There have been no contaminants detected in the water supply, however the source is still considered vulnerable to activities located near the drinking water source.

**Acquiring Information**

A copy of the complete assessment may be viewed at:

San Joaquin County

Environmental Health Department

304 E. Weber Ave, 3rd Floor

Stockton, CA 95202

You may request a summary of the assessment be sent to you by contacting:

Small Public Water Systems

SJ Co Environmental Health Department

(209) 468-3420

# Barrel Ten Quarter Circle Winery

## Analytical Results By FGL - 2019

### LEAD AND COPPER RULE

		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
<b>Copper</b>		mg/L		1.3	.3			0.13	5
Lab Lunch Room Sink Tap	STK1838613-3	mg/L				2018-06-16	0.08		
Maint. Lunchroom Sink Tap	STK1838613-4	mg/L				2018-06-16	ND		
Mary Bell Norris Res. Kitchen	STK1838613-1	mg/L				2018-06-16	ND		
Womens East R.R. Sink Tap	STK1838613-5	mg/L				2018-06-16	0.18		
Womens R.R. Sink Tap	STK1838613-2	mg/L				2018-06-16	0.06		

### PRIMARY DRINKING WATER STANDARDS (PDWS)

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
<b>Arsenic</b>		ug/L		10	0.004			ND	ND - 3
Well A	STK1732876-2	ug/L				2017-03-13	3		
Well B	STK1732876-1	ug/L				2017-03-13	ND		
<b>Hexavalent Chromium</b>		ug/L			0.02			1.9	ND - 3.7
Well A	STK1452843-1	ug/L				2014-12-18	3.7		
Well B	STK1452843-2	ug/L				2014-12-18	ND		
<b>Nitrate as N</b>		mg/L		10	10			3.6	ND - 5.7
Well A	STK1956847-1	mg/L				2019-11-13	5.0		
Well A	STK1933539-2	mg/L				2019-03-14	5.7		
Well B	STK1933539-1	mg/L				2019-03-14	ND		
<b>Dibromochloropropane (DBCP)</b>		ppt		200	1.7			50	30 - 70
Well A	STK1933540-2	ppt				2019-03-14	70		
Well B	STK1933540-1	ppt				2019-03-14	30		

### UNREGULATED CONTAMINANTS

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
<b>Vanadium</b>		mg/L		NS	n/a			0.013	ND - 0.025
Well A	STK1732876-2	mg/L				2017-03-13	0.025		
Well B	STK1732876-1	mg/L				2017-03-13	ND		

# Barrel Ten Quarter Circle Winery

## CCR Login Linkage - 2019

FGL Code	Lab ID	Date_Sampled	Method	Description	Property
Cellar Employee	STK1932145-1	2019-02-13	Coliform	Cellar Employee Lunchroom	Bacteriological Sampling-Even
	STK1935141-1	2019-04-15	Coliform	Cellar Employee Lunchroom	Bacteriological Sampling-Even
	STK1938338-1	2019-06-10	Coliform	Cellar Employee Lunchroom	Bacteriological Sampling-Even
	STK1951868-1	2019-08-13	Coliform	Cellar Employee Lunchroom	Bacteriological Sampling-Even
	STK1955607-1	2019-10-18	Coliform	Cellar Employee Lunchroom	Bacteriological Sampling-Even
	STK1958059-1	2019-12-11	Coliform	Cellar Employee Lunchroom	Bacteriological Sampling-Even
Lab Lunch Room	STK1838613-3	2018-06-16	Metals, Total	Lab Lunch Room Sink Tap	Lead & Copper Monitoring
Maint. Lunchroo	STK1838613-4	2018-06-16	Metals, Total	Maint. Lunchroom Sink Tap	Lead & Copper Monitoring
Mary Bell Norri	STK1838613-1	2018-06-16	Metals, Total	Mary Bell Norris Res. Kitchen	Lead & Copper Monitoring
Office	STK1930718-1	2019-01-15	Coliform	Office	Bacteriological Sampling-Odd
	STK1933489-1	2019-03-14	Coliform	Office	Bacteriological Sampling-Odd
	STK1936777-1	2019-05-15	Coliform	Office	Bacteriological Sampling-Odd
	STK1950036-1	2019-07-10	Coliform	Office	Bacteriological Sampling-Odd
	STK1953639-1	2019-09-12	Coliform	Office	Bacteriological Sampling-Odd
	STK1956848-1	2019-11-13	Coliform	Office	Bacteriological Sampling-Odd
Well A	STK1452843-1	2014-12-18	Wet Chemistry	Well A	Chrome 6 Monitoring
	STK1732876-2	2017-03-13	Metals, Total	Well A	Water Monitoring
	STK1933540-2	2019-03-14	EPA 504.1	Well A	VOC/SOC Monitoring
	STK1933539-2	2019-03-14	Wet Chemistry	Well A	Water Monitoring
	STK1956847-1	2019-11-13	Wet Chemistry	Well A	NO3-N Monitoring
Well B	STK1452843-2	2014-12-18	Wet Chemistry	Well B	Chrome 6 Monitoring
	STK1732876-1	2017-03-13	Metals, Total	Well B	Water Monitoring
	STK1933539-1	2019-03-14	Wet Chemistry	Well B	Water Monitoring
	STK1933540-1	2019-03-14	EPA 504.1	Well B	VOC/SOC Monitoring
Womens Est R.R.	STK1838613-5	2018-06-16	Metals, Total	Womens East R.R. Sink Tap	Lead & Copper Monitoring
Womens R.R. Sin	STK1838613-2	2018-06-16	Metals, Total	Womens R.R. Sink Tap	Lead & Copper Monitoring