

**SONORA WATER COMPANY****WATER QUALITY REPORT FOR 2016**

Each year, Sonora Water Co. is required to provide to its customer's information concerning the testing and treatment of water provided. As Sonora Water Co. purchases all water from Tuolumne Utilities District and does not "treat" said water, it is still required to have certain testings of that water and provide all information. Below we have provided information from TUD for the "Sonora Area", from which Sonora Water Co. receives its water.

Should you desire to examine the entire report, you may go to the website of TUD and do so.

**Regulated Substances:**

<b>Substance Unit of Measure</b>	<b>Amount Detected</b>	<b>Range Low-High</b>	<b>Typical Source</b>
1 Chlorine (ppm)	1.7	1.5-1.9	Drinking water disinfectant added for treatment
2 Control of DBP precursors [TOC] (ppm)	1.4	1-2.5	Various natural and man-made sources
3 Fluoride (ppm)	ND	NA	Erosion of natural deposits; water additive that promotes strong teeth.
4 Gross Alpha Particle Activity (pCi/L)	ND 1	NA 1	Erosion of natural deposits
5 Haloacetic Acids [HAAs] (ppm)	47 4	23-58/4	By-product of drinking water disinfection
6 Nitrate [as nitrate] (ppm)	ND	NA	Runoff and leaching from fertilizer use; leaching from septic tanks/sewage; erosion of natural deposits
7 TTHMs [Total Trihalomethanes] (ppb)	56 4	41-68/4	By-product of drinking water disinfection
8 Turbidity <sup>5</sup> (NTU)	0.32	0.06-0.32	Soil runoff
9 Turbidity (Lowest monthly percent of samples meeting limit)	100	NA	Soil runoff
10 Copper (ppm)	0.21	0-31	Internal corrosion of household plumbing systems erosion of natural deposits; leaching of wood preservatives.
11 Lead (ppb)	ND	1/31	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers.
12 Iron (ppb)	ND	NA	Leaching from natural deposits; industrial wastes
13 Manganese (ppb)	ND	NA	Leaching from natural deposits
14 Sulfate (ppm)	1.2	NA	Runoff/leach from natural deposits
15 Zinc (ppm)	ND	NA	Runoff/leach from natural deposits
16 Hardness (ppm)	18	NA	
17 Sodium (ppm)	5.8	NA	

Continue on Reverse Side

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By order from the State Water Resources Control Board, Sonora Water Co. must perform monthly and quarterly tests on the water provided to its customers. Below is results of those testings for 2016.

<b>Test</b>	<b>Total</b>	<b>Positive Tubes</b>	<b>Average Levels</b>	<b>Testing Frequency</b>
<b>1 Bacteriological</b>				
Coliform	< 1.1	ND		Monthly
Chlorine (mg/L)			.56-.99	Monthly
<b>2 TTHMs (Total Trihalomethanes) (ug/L)</b>			39.5-69.9	Quarterly
<b>3 HAA5 (Haloacetic Acids) (ug/L)</b>			20.5-61.1	Quarterly
	<b>Levels</b>		<b>Date of Testing</b>	
<b>4 Copper (ug/L)</b>	56-190		7/2015	Every 3 years
<b>5 Lead (ug/L)</b>	ND		7/2015	Every 3 years

**Defination of Coding:**

NA	Not Applicable
ND	None (Not) Detected
ppb	Parts per Billion
ppm	Parts per Million

# 2016 Consumer Confidence Report

Water System  
Name:

SONORA WATER COMPANY

Report  
Date:

MARCH 21, 2017

*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, 2016 and may include earlier monitoring data.*

**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:

Purchased water from Tuolumne Utilities District

Name & general location of source(s):

TUOLUMNE UTILITIES DISTRICT

Drinking Water Source Assessment information:

TUOLUMNE UTILITIES DISTRICT

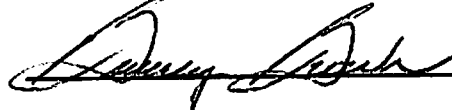
Time and place of regularly scheduled board meetings for public participation:

For more information, contact:

BEVERLY BROWN

209-532-4806

Phone:



**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 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 contaminants that affect

**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.

**Variations and Exemptions:** State Board permission to exceed an MCL or not comply with a treatment technique under certain conditions.

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

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

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

**ppq:** parts per quadrillion or picogram per liter (pg/L)

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

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 Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Tables 1, 2, 3, 4, 5, and 6 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 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 an AL, MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

TABLE 1 – SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA							
Microbiological Contaminants (complete if bacteria detected)	Highest No. of Detections (In a mo.)	No. of months in violation	MCL	MCLG	Typical Source of Bacteria	NONE DETECTED	
Total Coliform Bacteria (state Total Coliform Rule)			1 positive monthly sample	0	Naturally present in the environment		

Fecal Coliform or <i>E. coli</i> (state Total Coliform Rule)	(In the year)		A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or <i>E. coli</i> positive		Human and animal fecal waste		NONE DETECTED
<i>E. coli</i> (federal Revised Total Coliform Rule)	(from 4/1/16-12/31/16)		(a)	0	Human and animal fecal waste		NONE DETECTED
(a) Routine and repeat samples are total coliform-positive and either is <i>E. coli</i> -positive or system fails to take repeat samples following <i>E. coli</i> -positive routine sample or system fails to analyze total coliform-positive repeat sample for <i>E. coli</i> .							NA
<b>TABLE 2 – SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER</b>							
Lead and Copper (complete if lead or copper detected in the last sample set)	Sample Date	No. of samples collected	90 <sup>th</sup> percentile level detected	No. sites exceeding AL	AL	PHG	Typical Source of Contaminant

Lead (ppb)					15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)					1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
<b>TABLE 3 – SAMPLING RESULTS FOR SODIUM AND HARDNESS</b>							
<b>Chemical or Constituent (and reporting units)</b>	<b>Sample Date</b>	<b>Level Detected</b>	<b>Range of Detections</b>	<b>MCL</b>	<b>PHG (MCL G)</b>	<b>Typical Source of Contaminant</b>	NA
Sodium (ppm)				none	none	Salt present in the water and is generally naturally occurring	NA
Hardness (ppm)				none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring	NA
<b>Chemical or Constituent (and reporting units)</b>	<b>Sample Date</b>	<b>Level Detected</b>	<b>Range of Detections</b>	<b>MCL [MRDL]</b>	<b>PHG (MCL G) [MRDLG]</b>	<b>Typical Source of Contaminant</b>	

you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4701) 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
NONE				

**For Water Systems Providing Ground Water as a Source of Drinking Water**

Microbiological Contaminants (complete if fecal-indicator detected)	Total No. of Detections	Sample Dates	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
<i>E. coli</i>	(In the year)		0	(0)	Human and animal fecal waste
Enterococci	(In the year)		TT	n/a	Human and animal fecal waste
Coliphage	(In the year)		TT	n/a	Human and animal fecal waste



# ATTACHMENT 7

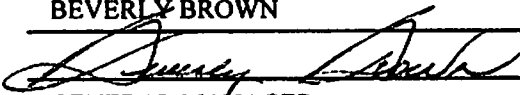
## Consumer Confidence Report Certification Form (to be submitted with a copy of the CCR)

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

Water System Name: SONORA WATER COMPANY

Water System Number: 55-10024

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 04/01/2017 (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: BEVERLY BROWN  
Signature:   
Title: GENERAL MANAGER  
Phone: 209-532-4806 Date: 03/21/2017

To summarize report delivery used and good-faith efforts taken, please complete the 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 consumers. Those efforts included the following methods:

Posting the CCR on the Internet at [www.](http://www.) \_\_\_\_\_

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

Advertising the availability of the CCR in news media (attach 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 newspaper and date published)

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

Delivery of multiple copies of CCR to single-billed 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: [www.\\_\\_\\_\\_\\_](http://www._____)

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

*This form is provided as a convenience and may be used to meet the certification requirement of section 64483(c), California Code of Regulations.*

March 21, 2017

SONORA WATER COMPANY  
SYSTEM # 55-10024

State Water Resources Board

Re: 2016 Consumer Confidence Report-Attachment to Certification Form

Listing of Zip Codes of delivery:

92614  
92660  
94030  
94585  
95327  
95337  
95370  
95383  
95678

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Beverly Brown. General Manager

03/21/2017

<b>TABLE 5 – DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD</b>							
Chemical or Constituent (and reporting units)	Sample Date	Level Detect ed	Range of Detecti ons	MCL	PHG (MCL G)	Typical Source of Contami nant	NA
<b>TABLE 6 – DETECTION OF UNREGULATED CONTAMINANTS</b>							
Chemical or Constituent	Sample	Level	Range	Notifica	Health		NA

### 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 service lines and home plumbing. [INSERT NAME OF UTILITY] 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. [Optional: If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.] 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