

2020 Consumer Confidence Report

Water System Information

Water System Name: TERRACE WATER COMPANY

Report Date: 06/15/2021

Type of Water Source(s) in Use: GROUND WATER

Name and General Location of Source(s): Well 1- located in the south end of San Bernardino pulling from the Bunker Hill Basin. City Of Colton - Intertie connection located in Terrace Water distribution system.

Drinking Water Source Assessment Information: The source is considered most vulnerable to activities associated with landfills, railroad yards and fuel stations.

Time and Place of Regularly Scheduled Board Meetings for Public Participation: Third Tuesday of each month at 7:30 pm located at 1095 Stevenson St Colton Ca 92324

For More Information, Contact: Carol Warfield 909-825-5224

****ALSO INCLUDED IS A COPY OF CITY OF COLTON 2020 MONITORING RESULTS PAGE 10***

About This Report

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 to December 31, 2020 and may include earlier monitoring data.

Importance of This Report Statement in Five Non-English Languages (Spanish, Mandarin, Tagalog, Vietnamese, and Hmong)

Language in Spanish: Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse TERRACE WATER COMPANY a 909-825-5224 para asistirlo en español.

Language in Mandarin: 这份报告含有关于您的饮用水的重要讯息。请用以下地址和电话联系 TERRACE WATER COMPANY 以获得中文的帮助: 1095 Stevenson Colton Ca 92324 909-825-5224.

Language in Tagalog: Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa TERRACE WATER COMPANY 1095 Stevenson St Colton Ca 92324 o tumawag sa 909-825-5224 para matulungan sa wikang Tagalog.

Language in Vietnamese: Báo cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ TERRACE WATER COMPANY tại 909-825-5224 để được hỗ trợ giúp bằng tiếng Việt.

Language in Hmong: Tsab ntawv no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau TERRACE WATER COMPANY ntawm 909-825-5224 rau kev pab hauv lus Askiv.

Terms Used in This Report

Term	Definition
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 <i>E. coli</i> MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
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 (U.S. EPA).
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 health along with their monitoring and reporting requirements, and water treatment requirements.
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.
Regulatory Action Level (AL)	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
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.
Variances and Exemptions	Permissions from the State Water Resources Control Board (State Board) to exceed an MCL or not comply with a treatment technique under certain conditions.
ND	Not detectable at testing limit.
NS	No standard has been set.
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)

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

Sources of Drinking Water and 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.

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 byproducts 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.

Regulation of Drinking Water and Bottled Water Quality

In order to ensure that tap water is safe to drink, the U.S. EPA and the State Board prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. 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.

About Your Drinking Water Quality

Drinking Water Contaminants Detected

Tables 1, 2, 3, 4, 5, 6, and 8 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

Complete if bacteria are detected.

Microbiological Contaminants	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria (State Total Coliform Rule)	(In a month) 0	0	1 positive monthly sample ^(a)	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i> (State Total Coliform Rule)	(In the year) 0	0	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	None	Human and animal fecal waste
<i>E. coli</i> (Federal Revised Total Coliform Rule)	(In the year) 0	0	(b)	0	Human and animal fecal waste

(a) Two or more positive monthly samples is a violation of the MCL

(b) Routine and repeat samples are total coliform-positive and either is *E. coli*-positive or system fails to take repeat samples following *E. coli*-positive routine sample or system fails to analyze total coliform-positive repeat sample for *E. coli*.**Table 2. Sampling Results Showing the Detection of Lead and Copper**

Complete if lead or copper is detected in the last sample set.

Lead and Copper	Sample Date	No. of Samples Collected	90 th Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	No. of Schools Requesting Lead Sampling	Typical Source of Contaminant
Lead (ppb)	09/01/2020	10	0	0	15	0.2	0	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	09/01/2020	10	0.12	0	1.3	0.3	Not applicable	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Table 3. Sampling Results for Sodium and Hardness

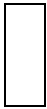
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	02/07/2020	15		None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	02/07/2020	280		None	None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Table 4. Detection of Contaminants with a Primary Drinking Water Standard

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Nitrate (N)	2/7/2020	0.83mg/L		10	10	Erosion of natural deposits
Flouride	2/7/2020	0.28mg/L		2	1	Erosion of natural deposits.
Gross Alpha	5/21/2019	3.4 pCi/L		15	0	Erosion of natural deposits
Perchlorate	4/3/2020	0		6	1	Component of explosives, fireworks, matches and solid rocket fuels.

Table 5. Detection of Contaminants with a Secondary Drinking Water Standard

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	SMCL	PHG (MCLG)	Typical Source of Contaminant
Total Dissolved Solids	2/7/2020	360mg/L		1000	NS	Runoff / leaching from natural deposits
Sulfate	2/7/2020	88mg/L		500	NS	Runoff / leaching from natural deposits.
Chloride	2/7/2020	8.8mg/L		500	NS	Runoff / leaching from natural deposits: seawater influence
Specific Conductance	2/7/2020	550uS/m		1600	NS	Substances that form ions in water; seawater influence.
Order Theshold	2/7/2020	1 TON		3	NS	Naturally occuring

**Table 6. Detection of Unregulated Contaminants**

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects Language
N/A			[Enter Range]		
N/A			[Enter Range]		
N/A			[Enter Range]		

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 U.S. EPA'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. U.S. EPA/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: 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. [Enter Water System's Name] 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 you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at <http://www.epa.gov/lead>.

Additional Special Language for Nitrate, Arsenic, Lead, Radon, and *Cryptosporidium*: [Enter Additional Information Described in Instructions for SWS CCR Document]

Federal Revised Total Coliform Rule (RTCR): [Enter Additional Information Described in Instructions for SWS CCR Document]

Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

Table 7. Violation of a MCL, MRDL, AL, TT or Monitoring Reporting Requirement

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
0	0	0	[Enter Actions Taken]	[Enter Language]
0	0	0	Enter Actions Taken]	[Enter Language]

For Water Systems Providing Groundwater as a Source of Drinking Water

Table 8. Sampling Results Showing Fecal Indicator-Positive Groundwater Source Samples

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>	0	[Enter Dates]	0	(0)	Human and animal fecal waste
Enterococci	0	[Enter Dates]	TT	N/A	Human and animal fecal waste
Coliphage	0	[Enter Dates]	TT	N/A	Human and animal fecal waste

Summary Information for Fecal Indicator-Positive Groundwater Source Samples, Uncorrected Significant Deficiencies, or Violation of a Groundwater TT

Special Notice of Fecal Indicator-Positive Groundwater Source Sample: [Enter Special Notice of Fecal Indicator-Positive Groundwater Source Sample]

Special Notice for Uncorrected Significant Deficiencies: [Enter Special Notice for Uncorrected Significant Deficiencies]

Table 9. Violation of Groundwater TT

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
0	[Enter Explanation]	[Enter Duration]	[Enter Actions]	[Enter Language]
0	[Enter Explanation]	[Enter Duration]	[Enter Actions]	[Enter Language]

For Systems Providing Surface Water as a Source of Drinking Water

Table 10. Sampling Results Showing Treatment of Surface Water Sources

Treatment Technique ^(a) (Type of approved filtration technology used)	N/A
Turbidity Performance Standards ^(b) (that must be met through the water treatment process)	<p>Turbidity of the filtered water must:</p> <p>1 – Be less than or equal to [Enter Turbidity Performance Standard to Be Less Than or Equal to 95% of Measurements in a Month] NTU in 95% of measurements in a month.</p> <p>2 – Not exceed [Enter Turbidity Performance Standard Not to Be Exceeded for More Than Eight Consecutive Hours] NTU for more than eight consecutive hours.</p> <p>3 – Not exceed [Enter Turbidity Performance Standard Not to Be Exceeded at Any Time] NTU at any time.</p>
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	N/A
Highest single turbidity measurement during the year	N/A
Number of violations of any surface water treatment requirements	N/A

(a) A required process intended to reduce the level of a contaminant in drinking water.

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

Summary Information for Violation of a Surface Water TT

Table 11. Violation of Surface Water TT

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
N/A	[Enter Explanation]	[Enter Duration]	[Enter Actions]	[Enter Language]
N/A	[Enter Explanation]	[Enter Duration]	[Enter Actions]	[Enter Language]

Summary Information for Operating Under a Variance or Exemption

[Enter Additional Information Described in Instructions for SWS CCR Document]

Summary Information for Federal Revised Total Coliform Rule Level 1 and Level 2 Assessment Requirements

Level 1 or Level 2 Assessment Requirement not Due to an *E. coli* MCL Violation

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

During the past year we were required to conduct [Insert Number of Level 1 Assessments] Level 1 assessment(s). [Insert Number of Level 1 Assessments] Level 1 assessment(s) were completed. In addition, we were required to take [Insert Number of Corrective Actions] corrective actions and we completed [Insert Number of Corrective Actions] of these actions.

During the past year [Insert Number of Level 2 Assessment] Level 2 assessments were required to be completed for our water system. [Insert Number of Level 2 Assessments] Level 2 assessments were completed. In addition, we were required to take [Insert Number of Corrective Actions] corrective actions and we completed [Insert Number of Corrective Actions] of these actions.

[For Violation of the Total Coliform Bacteria TT Requirement, Enter Additional Information Described in Instructions for SWS CCR Document]

Level 2 Assessment Requirement Due to an *E. coli* MCL Violation

E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children, the elderly, and people with severely-compromised immune systems. We found *E. coli* bacteria, indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) identify problems and to correct any problems that were found during these assessments.

We were required to complete a Level 2 assessment because we found *E. coli* in our water system. In addition, we were required to take [Insert Number of Corrective Actions] corrective actions and we completed [Insert Number of Corrective Actions] of these actions.

[For Violation of the *E. coli* TT Requirement, Enter Additional Information Described in Instructions for SWS CCR Document]

CITY OF COLTON - WATER DEPARTMENT

MONITORING TABLE FOR JANUARY 1 - DECEMBER 31, 2020

Contaminant	Violation	TEST RESULTS			UNIT MEASURE	STATE MCL	STATE PHG	YEAR TESTED*	LIKELY SOURCE OF CONTAMINANT
	Y / N	Minimum	Maximum	Average			MRDL		
INORGANIC CHEMICALS - PRIMARY STANDARDS									
Fluoride	N	0.27	0.6	0.4	mg/L	2	1	2020	Erosion of natural deposits, water additive for dental hygiene, discharge from fertilizer and aluminum factories
Nitrate (as NO3)	N	0	6.6	3.53	mg/L	10	10	2020	Runoff / leaching from fertilizer use, septic tanks, sewage, and erosion of natural deposits
Nitrate+Nitrite as Nitrogen	N	0	6.6	3.53	mg/L	10	10	2020	Runoff / leaching from fertilizer use, septic tanks, sewage, and erosion of natural deposits
CHEMICAL PARAMETERS - SECONDARY STANDARDS									
Chloride	N	0.7	70	19.79	mg/L	500	NS	2020	Runoff / leaching from natural deposits; seawater influence
Corrosivity (Langlier Index)**	N	0.34	0.85	0.52	units	NC	NS	2020	Natural or industrial-influenced balance of hydrogen, carbon & oxygen in water, affected by temperature and other factors.
Aggressiveness Index ***	N	12.09	12.45	12.2	units	NS	NS	2020	
Iron	N	0	0	0	ug/L	300	NS	2020	Leaching from natural deposits
Manganese	N	0	46	11	ug/L	50	NS	2020	Leaching from natural deposits
Specific Conductance	N	380	750	516	umhos	1600	NS	2020	Substances that form ions in water; seawater influence
Sulfate	N	15	98	50	mg/L	500	NS	2020	Runoff / leaching from natural deposits, industrial wastes
Total Dissolved Solids	N	210	470	317	mg/L	1000	NS	2020	Runoff / leaching from natural deposits
PHYSICAL PARAMETERS									
Odor - Threshold	N	1	2	1.1	TON	3	NS	2020	Naturally occurring organic materials
pH	N	7.9	8.2	8	units	NS	NS	2020	
Turbidity	N	0	0.4	0.09	NTU	5	N/A	2020	Turbidity is monitored because it is a good indicator of water quality. High turbidity can hinder disinfectant effectiveness.
RADIONUCLIDES									
Gross Alpha Particle Activity	N	0	7.2	3.6	pCi/L	15	NS	2018	Erosion of natural deposits
Radon 222	N	229	458	333.3	pCi/L	NS	NS	2000	Erosion of natural deposits
Uranium	N	0	4.8	2.4	pCi/L	20	0.43	2019	Erosion of natural deposits
VOLATILE ORGANIC CHEMICALS (VOC's)									
Tetrachloroethylene	N	ND	ND	ND	ug/L	5	0.06	2019	Leaching from PVC pipes, discharge from factories, dry cleaners and auto shops (metal degreaser)
1,2,3 Trichloropropane	N	ND	ND	ND	ug/L	0.005	0.0007	2018	Advance Screening for Unregulated VOC
ADDITIONAL PARAMETERS									
Alkalinity	N	149	240	192	mg/L	NS	NS	2020	
Bicarbonate Alkalinity	N	180	290	236	mg/L	NS	NS	2020	
Calcium	N	32	97	61.8	mg/L	NS	NS	2020	
Total Hardness	N	120	300	197	mg/L	NS	NS	2020	
Magnesium	N	7	14	10.5	mg/L	NS	NS	2020	
Potassium	N	1.6	4	3	mg/L	NS	NS	2020	
Sodium	N	13	120	34.4	mg/L	NS	NS	2020	
Boron	N	0	220	55	mg/L	NS	NS	2020	
DISTRIBUTION SYSTEM									
Microbiological-Total Coliform Bacteria	N	ND	ND	ND	Presence of coliform bacteria in 5% of monthly samples****			2020	Naturally present in the environment
Total Trihalomethanes	N	2.4	1.3	1.9	ug/L	80	NS	2020	By-product of drinking water chlorination
Haloacetic Acids	N	0	0	0	ug/L	60	NS	2020	By-product of drinking water chlorination
Chlorine	N	0.91	1.25	1.12	mg/L	4	4	2020	Drinking water disinfectant added for treatment
REGULATED CONTAMINANTS(Perchlorate)									
Perchlorate	N	0	3.5	0.69	ug/L	6	1	2020	Component of explosives, fireworks, matches, and solid rocket fuels.

LEAD AND COPPER

The Lead & Copper Rule became effective in 1993. The City of Colton has performed nine rounds of sampling. The last was performed in August 2016. The next round is scheduled for 2019. All samples are taken from the first draw of morning water. The 1st two rounds were from 60 single-family residences with copper pipe with lead solder installed since 1982. The 1998, 2001, 2004, 2007, 2010, 2013, 2016 & 2019, sampling included only 30 single-family residences due to favorable results in the previous rounds. The next round is scheduled for August 2022. The **2019** results were:

Contaminant	90th Percentile Result	Unit Measurement	MCL	PHG	LIKELY SOURCE OF CONTAMINANT
LEAD	0	ug/l	AL 15	2	Internal corrosion of household plumbing systems, discharge from industrial mfg, erosion of natural deposits
COPPER	170	ug/l	AL 1300	300	Internal corrosion of household plumbing systems, erosion of natural deposits.