

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/certific/drinkingwater/CCR.shtml)

Water System Name: Carnelian Woods

Water System Number: 310023

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 6/30/2020 (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: Michael D. Warren
Signature: M.D.W.
Title: Lead Water Quality Control Tech
Phone Number: 630) 546-4212 Date: 6/30/2020

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: Post cards to all Postal Patrons & customers.

☒ "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.ntpud.org/ccr

☒ 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.

☐ 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.



NORTH TAHOE PUBLIC UTILITY DISTRICT ANNUAL WATER QUALITY CONSUMER CONFIDENCE REPORT FOR 2019

To Our Customers: This report contains important information about your drinking water.

Este informe contiene información muy importante sobre la calidad de su agua potable. Por favor lea este informe o comuníquese con alguien que pueda traducir la información.

Where does my water come from?

The North Tahoe Public Utility District services nearly 3,957 connections. These connections include single-family dwellings and business establishments, as well as separate irrigation and fire systems. The District operates three separate and independent water systems: Dollar Cove, Carnelian Bay, and the Tahoe Main system, comprised of Tahoe Vista, Kings Beach, and Brockway to the Nevada State Line. Dollar Cove is currently being supplied through the Tahoe City Public Utility District's Tahoe City system, by agreement of a joint well drilling project of the two Districts that is comprised of five separate wells (groundwater sources). Carnelian Bay draws its water from a single well (groundwater source). The Tahoe Main water system draws water from Lake Tahoe (surface water source) through an intake at the end of National Avenue in Tahoe Vista, as well as a single well (groundwater source) located in the North Tahoe Regional Park at the top of Donner Road. These combined sources supplied just under 361 million gallons of water to our customers in 2019.

How can I keep our drinking water safe and clean?

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 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 (800-426-4791)**. The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels in the environment it dissolves naturally occurring minerals, pick up substances from the presence of animals or human activity, and even radioactive material, in some cases. **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**, which 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 process and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; **Radioactive contaminants**, which can be naturally-occurring or be the result of oil and gas production and mining activities. To ensure that tap water is safe to drink, the Environmental Protection Agency (EPA) and California Department of Public Health, Division of Drinking Water and Environmental Management (Department), prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. We treat our water according to their

regulations. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

Why are there contaminants in my drinking water?

The drinking water that the District treats and provides for its customers comes from wells as well as the open water of Lake Tahoe. Many people don't see the link between the water you drink and the items that are put into the sewer system, but when people dispose of their waste incorrectly, it threatens the safety of our drinking water as well.

In the Tahoe basin, our storm drain system does not put runoff into the sewer system like so many other communities in this country. Most of the storm drains drain directly into the Lake! In addition to protecting our sewers, it is also extremely important that under no circumstances may substances be put directly into the storm drain.

Most liquid and automotive waste (oil, old gasoline) can be disposed of during one of the hazardous waste disposal days provided by Placer County and Tahoe Truckee Sierra Disposal at the Eastern Regional Landfill on Cabin Creek Road off Highway 89.

For Your Information

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Our most recent watershed sanitary survey (Lake Tahoe) update is 2018.

Although the North Tahoe Basin sewage flows to Truckee and is treated, domestic sewage and wastewater disposal and collection are potentially contaminating activities (PCA) of key concern. Summer recreation on the lake is another PCA of key concern. The District does not have direct regulatory control or enforcement over the Lake Tahoe watershed; we rely on the regulatory powers of the Tahoe Regional Planning Agency (TRPA) and the Lahontan Regional Water Quality Control Board (RWQCB).

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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. 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 (800-426-4791)**.

Lead

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. The North Tahoe Public Utility District 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 running your tap for 30 seconds to 2 minutes before using water for drinking or cooking. Capture and use this water for household or garden 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 or at <http://www.epa.gov/safewater/lead>

Radon

Radon is a radioactive gas that you cannot see, taste or smell. It is found throughout the U.S. Radon can move up through the ground and into a home through cracks and holes in the foundation. Radon can build up to high levels in all types of homes. Radon can also get into indoor air when released from tap water from showering, washing dishes and other household activities. Compared to radon entering the home through soil, radon entering the home through tap water on most cases would be a small source of radon in indoor air. Radon is a known human carcinogen. Breathing air containing radon can cause cancer. Drinking water containing radon may also cause an increased risk of stomach cancer. If you are concerned about radon in your home, test the air in your home. Testing is inexpensive and easy. You should pursue radon removal for your home if the level of radon in your air is four (4) picocuries per liter of air (pCi/L) or higher. There are simple ways to fix a radon problem that are not too costly. For additional information, call your State radon program (1-800-745-7236), the USEPA Safe Drinking Water Hotline (1-800-426-4791), or the National Safety Council on Radon Hotline (1-800-767-7236).

Conservation – A California Way of Life

In April 2017 the State of California placed permanent restrictions on wasteful water practices. The following wasteful water practices are now permanently prohibited:

- Hosing off sidewalks, driveways and other hardscapes
- Washing automobiles with hoses not equipped with a shut-off nozzle

- Using non-recirculated water in a fountain or other decorative water feature
- Watering lawns in a manner that causes runoff
- Watering within 48 hours after measurable precipitation
- Irrigating ornamental turf on public street medians

20% by 2020

The 20% by 2020 state mandate is that all water purveyors reduce their per capita water use by 20% from the average usage of our customers over 10 years in the early 2000's. The way this baseline is calculated is complicated and water leaks within our system also are included in this per capita water usage number. The waterline replacement projects and water leak detection and repair as part of our ongoing maintenance plan will also help to bring the District into compliance. If the District (or any water purveyor) fails to meet this 20% by 2020 mandate, the State has indicated that they will no longer be eligible for state grants.

The amount of water used for irrigation of outdoor landscaping is putting the District out of compliance and not on track to meet this mandate. The District is asking our customers to be vigilant on their outdoor watering and consider these useful tips.

- Don't water every day (it's not necessary!)
- Adjust your irrigation system to accommodate the cooler shoulder season
- Install weather-based smart irrigation controllers or sensors that automatically turn off your system during and after precipitation.

Visit <http://ntpud.org/conservation> for other helpful tips and information on rebates for water-saving appliances and irrigation supplies and free conservation supplies!

NORTH TAHOE PUBLIC UTILITY DISTRICT
ANNUAL WATER QUALITY
CONSUMER CONFIDENCE REPORT FOR 2019

The State allows us to monitor contaminants less than once per year because the concentrations of these contaminates do not change frequently. Some of our data, though representative, are more than one year old. If a substance or contaminant is not listed, it is either not detected limit or not required to sampled.									
Identify your system>		Tahoe Main System #33110001		System Groundwater Park	Carnelian Woods System #3110023	Dollar Cove System #3110036	Tahoe City PUD water supply to NTPUD constists of Highlands Well #1 #2, T.C. Well #2 #3, Tahoe Tavern Well		
Contaminant (UNITS)	Sample	MCL	PHG (MCLG)	Lake Tahoe	Nat'l Ave	Well	Park Well	Tahoe City PUD	Violation
Primary Standards	Year								Major Source in Drinking Water
Arsenic (ppb)	2016	10	0.004	ND	ND	NR	NR	(2014/17)3.7/2.3/ND/3.1/ND	NO Erosion of natural deposits
Nickel (ppb)	2016	100	10	ND	ND	ND	ND	(2014)20/20/20/21/20	NO Erosion of natural deposits
Microbiological Monitoring									
Total Coliforms (I / A / P)	2019	1	(0)	156T / 156A / 0P			22T / 18A / 4P*	156T / 156A / 0P	YES Naturally Present in the enviroment
E-Coli (I / A / P)	2019	1	(0)	156T / 156A / 0P			22T / 22A / 0P	156T / 156A / 0P	NO Human and Animal Fecal Waste
Radioactive									
Radon 222 (pCi/L)	2003	N/A	N/A	NR	NR	NR	NR	547/1190/NS/1230/1120	N/A Erosion of natural deposits
Radium 228 (pCi/L)	2012	5	0.019	ND/0.000	NR	NR	NR	NR	NO Erosion of natural deposits
Gross Alpha (pCi/L)	2017	15	(0)	2.32	NR	NR	NR	NR	NO Erosion of natural deposits
Inorganic									
Nitrate - As N (ppm)	2019	1(AS-N)	1(AS-N)	ND	ND	ND	NR	NR	NO Runoff & leaching from fertilizers, septic tanks, sewage
Nitrite - As NO3 (ppm)	2019	45 (NO3)	45 (NO3)	ND	ND	ND	NR	NR	NO Runoff & leaching from fertilizers, septic tanks, sewage
Perchlorate (ppb)	2019	0.006	6	ND	ND	ND	NR	NR	NO Production of matches, flares, explosives, pyrotechnics
Aluminum (ug/L)	2016	1000	600	ND	ND	ND	NR	NR	NO Erosion of natural deposits
Antimony	2016	6	1						NO Discharge from petroleum refineries, fire retardants
Barium (ug/L)	2016	1000	(2) mg/L	17.6	44.2	22.6	NR	NR	NO Oil drilling wastes, Erosion of natural deposits
Beryllium	2016	4	N/A	ND	ND	ND	NR	NR	NO Discharge from metal refineries, coal burning factories
Cadmium	2016	5	N/A	ND	ND	ND	NR	NR	NO Interanal corrosion of galvanized pipes, runoff
Chromium (ug/L)	2016	50	(100)	ND	NR	ND	NR	NR	NO Discharge from steel & pulp mills, chrome plating
Fluoride (F) Natural Source	2016	2	N/A	ND	ND	ND	NR	NR	NO Erosion of natural deposits
Mercury	2016	2	N/A	ND	ND	ND	NR	NR	NO Erosion of natural deposits, discharge from refineries
Selenium	2016	50	5	ND	ND	ND	NR	NR	NO Discharge from petroleum, glass & metal refineries
Thallium	2016	2	1	ND	ND	ND	NR	NR	NO Leaching from ore processing, discharge from glass
Disinfection By-Products									
Chlorine (ppm)	2019	[MRDL=4.0(as Cl2)]		0.31-1.26 Annual RAA = 0.81		NR		Range 0.22 - 0.36 RAA = 0.30	NO Drinking water disinfectant added for treatment
Disinfection By-Products		Tahoe Main System #311001		Site #1 / #2 Annual				Site #3 Every Three Years	
Total Trihalomethanes (ppm)	2019	0.080	1000	ND/26		NR		(2017) ND	NO By products of drinking water disinfection
Haloacetic Acids (ppm)	2019	0.060	1000	8.9/13		NR		(2017) ND	NO By products of drinking water disinfection
Secondary Standards Established by the State of California,Department of Health Services									
Clarity & Taste								2017	
Turbidity (NTU) - Treated Water	2019	<0.5 NTU	NS	AVG .104 - .851	NR	NR		0.25/0.45/0.17/0.23/0.19	NO Soil runoff (erosion)
Turbidity (NTU) - Raw Source	2019	TT/5 95%	NS	AVG. .104 - .851	NR	NR		NR	NO Soil runoff (erosion)
Bicarbonate as HCO3 (ppm)	2016	None/ppm	N/A	50.3	124	126		NR	NO Erosion of natural deposits
Calcium (ppm)	2016	N/A	N/A	1.8	16.1	17.1		(2014) 7.6/7.5/12.3/10.2/16.7	NO Erosion of natural deposits
Carbonates CO3 (ppm)	2016	N/A	N/A	ND	ND	ND		NR	NO Erosion of natural deposits
Chloride (ppm)	2016	500	N/A	1.8	0.6	0.4		(2014)0.5/0.6/0.5/0.3/ND	NO Erosion of natural deposits
Color	2016	15 Units	N/A	NR	ND	3		NR	NO Erosion of natural deposits
Ordor (TON)	2016	1	3	N/A	ND	ND		(2014) ND/ND/ND/2/ND	NO Naturally-occurring organic materials
Copper (ug/L)	2019	1000	160	ND	ND	ND		NR	NO Erosion of natural deposits
Foaming Agents (MBAS)	2016	0.5	N/A	ND	ND	ND		NR	NO Erosion of natural deposits
Hydroxide as OH	2016	N/A	N/A	ND	ND	ND		NR	NO Erosion of natural deposits
Iron (ppb)	2016	300	N/A	ND	ND	ND		(2005)ND(1)/ND(125)/ND(1)/ND(1)/ND(1)	NO Erosion of natural deposits
Magnesium (ppm)	2016	N/A	N/A	2.6	6.0	8.6		NR	NO Erosion of natural deposits
Manganese (ppm)	2016	50	N/A	ND	ND	ND		(2005) ND	NO Erosion of natural deposits
Methyl-tert-butyl-ether (ppm)	2007	0.0005	5ug/L	ND	ND	ND		NR	NO Leaking underground fuel tanks
PH - Disired range:	2016	6.5-8.5	N/A	8.2	8.2	7.7		NR	NO Erosion of natural deposits, Some water treatment
Silver	2016	100	N/A	ND	ND	ND		NR	NO Erosion of natural deposits
Sodium (ppm)	2016	N/A	N/A	6.3	11.9	5.9		(2014)14.6/11.6/5.0/5.2/5.3	NO Erosion of natural deposits
SpecificConductance [E.C.] (uS)	2016	1600	N/A	101	192	185		(2014)215/189/164/160/217	NO Substances that form ions when in water
Sulfate (ppm)	2016	500	N/A	1.7	0.3	0.3		(2014)1.3/0.9/1.7/3.6/0.8	NO Erosion of natural deposits
Total Alkalinity [as CaCO3] (ppm)	2016	N/A	N/A	41.2	102	103		(2014)93.5/87.3/69.3/66.7/93.7	NO Erosion of natural deposits
Total Dissolved Solids (ppm)	2016	1000	N/A	20	112	97		(2014)72/80/83/98/125	NO Erosion of natural deposits
Total Hardness [as CaCO3] (ppm)	2016	N/A	N/A	32	65	78		(2014)44/41/59/51/74	NO Erosion of natural deposits
Zinc (ppm)	2016	5	N/A	ND	ND	ND		(2014) ND	NO Erosion of natural deposits
LEAD AND COPPER		Action Level	MCL	20 Samples	90th Percentile	10 Samples 90th Percentile		10 Samples 90th Percentile	
LEAD (ug/L)	2019	15	15	ND	ND	ND		ND	Internal corrosion-plumbing; erosion nat'l deposits.
Copper (ug/L)	2019	1300	1300	75	452	452		10 Samples 18.32	Corrosion of household plumbing systems.

MCL: Maximum Contaminant Level is the highest level of a contaminant that is allowed in drinking water. The MCL is set as close to the MCLG as feasible using the best available treatment technology.

MCLG: Maximum Contaminant Level Goal is the level of a contaminant in drinking water below which there is not known or expected risk to health. MCLGs allow for a margin of safety.

MRDL: Maximum Residual Disinfection Level Goal is 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.

PHG: Public Health Goal is 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.

PPB: Parts Per Billion, parts contaminant for every 1 billion parts of water.

PPM: Parts Per Million, parts contaminant for every 1 million parts of water.

T: Number of tests for bacteria (Laboratory analysis)

A: Number of tests absent of bacteria

P: Number of tests detecting presence of bacteria

<: Less Than

>: Greater Than

RAA: Running Annual Average

N/A: Not Applicable

ND: Not Detected, indicates contaminant was not detected in the water source.

N/R: Not Regulated or Not Required

MRDLG: Maximum Residual Disinfection Level Goal is 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.

ug/L: Micro grams Per Liter (Parts Per Million)

pCi/L: Plocuries Per Liter: Measures of radioactivity per 1 light scattering.

TT: Treatment Technique: A required process intended to reduce the level of contaminant.

Units: Number of units measured

uS: Microsiemens are the measure of electrical current through a solution.

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875 National Ave.
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The 20% by 2020 state mandate is that all water purveyors reduce their per capita water use by 20% from the average usage of our customers over 10 years in the early 2000's. The way this baseline is calculated is complicated and water leaks within our system also are included in this per capita water usage number. The waterline replacement projects and water leak detection and repair as part of our ongoing maintenance plan will also help to bring the District into compliance. If the District (or any water purveyor) fails to meet this 20% by 2020 mandate, the State has indicated that they will no longer be eligible for state grants. The amount of water used for irrigation of outdoor landscaping is putting the District out of compliance and not on track to meet this mandate. The District is asking our customers to be vigilant on their outdoor watering and consider these useful tips.

- Don't water every day (it's not necessary!)
 - Adjust your irrigation system to accommodate the cooler shoulder season
 - Install weather-based smart irrigation controllers or sensors that automatically turn off your system during and after precipitation.
- Visit <http://ntpud.org/conservation> for other helpful tips and information on rebates for water saving appliances and irrigation supplies and free conservation supplies!