NTPUD
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NORTH TAHOE PUBLIC UTILITY DISTRICT
2024 Drinking Water Report

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

Este informed 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.

Detected Compounds

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 representive, are more than one year old. If a substance or contaminant is not listed, it is either not detected above the detection limit in our sources or not required to be reported or sampled. A list of MCL's, DLR's, and PHG's may be found via the link labeled "MCLs, DLRs, and PHGs - (PDF)" on the State Water Board website, which is available at https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/MCLsandPHGs.html

Contaminant (UNITS)	Sample Year	MCL	PHG (MCLG)	Tahoe Main System #3110001 Lake Tahoe Nat'l Ave	Tahoe Main System #3110001 Groundwater Park Well	Carnelian Woods System #3110023 Groundwater	Carnelian Well	Dollar Cove - Tahoe City PUD #3110036 Groundwater (NTPUD Testing in blue)	Tahoe City PUD water supply to NTPUD consists of : Highlands Well #1 #2, T.C. Well #2 #3, Well #4 and Tahoe Tavern Well (https://www.tcpud.org/water-quality) Violation	Major Source in Drinking Water
Primary Drinking Water Standards (PDWS)										
Microbiological Monitoring										
Total Coliforms (T / A / P)	2024	TT	0P	156T / 156A / 0P		12T / 12A / 0P		153T / 153A /0P (12T / 12A / 0P)	NO	Naturally Present in the environment
E-Coli (T / A /P)	2024	0	0P	156T / 156A / 0P		12T / 12A / 0P		153T / 153A / 0P (12T / 12A / 0P)	NO	Human and Animal Fecal Waste
Radioactive										
Radon 222 (pCi/L)	2003	N/A	N/A	N/A	N/A	N/A		547/1190/NS/1230/NS/1120	N/A	Erosion of natural deposits
Gross Alpha (pCi/L)	2023	15	(0)	NR	3.17	NR		(2021) 4.25/3.67/1.39/0.172/0.592/3.97	NO	Erosion of natural deposits
Uranium (pCi/L)	2023	20	0.43	ND	1.01	ND		N/A	NO	Erosion of natural deposits
Inorganic										
Arsenic (ppb)	2023	10	0.004 (zero)	ND	ND	ND		(2023) 2.3/2.3/ND/ND/ND/ND	NO	Erosion of natural deposits
Nickel (ppb)	2023	100	12	ND	ND	ND		(2023) ND/ND/ND/ND/ND/ND	NO	Erosion of natural deposits
LEAD AND COPPER		**Action Level**		**20 Samples**	**90th %**	**10 Samples**	**90th %**	**10 Samples*** **90th %**		
LEAD (ug/L)	2022	15	0.2	2.01		4.44		ND (3.15)		Internal corrosion-plumbing; erosion nat'rl deposits.
Copper (ug/L)	2022	1.3	0.3	66.4		355.6		0.11 (67.11)		Corrosion of household plumbing systems.
Disinfection By-Products	**Tahoe Main System #3110001**			**Site #1 / #2: (Annually)**		**Site #1: (Annually)**		**Site #3: (Every Three Years)**		
Total Trihalomethanes (ppm)	2024	80	N/A	13.5/24.8		6.42		ND (ND)	NO	By products of drinking water disinfection
Haloacetic Acids (ppm)	2024	60	N/A	7.3/8.3		ND		ND (ND)	NO	By products of drinking water disinfection
Chlorine (ppm)	2024	4(MRDL)	4(MRDLG)	RAA = 0.88, Range = 0.79-0.96(An.)		RAA = 0.58, Range = 0.25-0.72(An.)		RAA=0.30, Range = 0.18-0.45(An.)	NO	Drinking water disinfectant added for treatment
Secondary Drinking Water Standards (SDWS): Aesthetic Standards Established by the State of California, Department of Health Services										
Turbidity (NTU) - Raw Source	2023	5	N/A	0.20	0.15	0.10		(2023) 0.28/0.28/0.23/0.16/0.3/0.11	NO	Soil runoff (erosion)
Calcium (ppm)	2023	N/A	N/A	8.96	20.2	19		(2023) 8.7/8.7/12/12/10/24	NO	Erosion of natural deposits
Chloride (ppm)	2023	500	N/A	1.66	0.51	0.57		(2023) ND/ND/ND/ND/ND/12	NO	Erosion of natural deposits
Color	2023	15 Units	N/A	4	ND	5		NR	NO	Erosion of natural deposits
Odor (TON)	2023	3	N/A	6	ND	2		(2023) ND/ND/0/0/0/0	NO	Naturally-occurring organic materials
Magnesium (ppm)	2023	N/A	N/A	2.32	7.07	9.45		NR	NO	Erosion of natural deposits
PH - Desired range:	2023	6.5-8.5	N/A	7.93	8.05	7.25		NR	NO	Erosion of natural deposits, Some water treatment
Sodium (ppm)	2023	N/A	N/A	6.39	11.3	5.83		(2023) 14/14/4.9/5/4.5/5.5	NO	Erosion of natural deposits
Specific Conductance [E.C.] (uS)	2023	1600	N/A	102	217	194		(2023) 190/190/160/140/140/250	NO	Substances that form ions when in water
Sulfate (ppm)	2023	500	N/A	1.59	ND	ND		(2023) ND/ND/1.5/1.7/1.5/ND	NO	Erosion of natural deposits
Alkalinity [as Bicarbonate CaCO3] (ppm)	2023	N/A	N/A	46.3	106	101		(2023) 92/92/78/74/74/120	NO	Erosion of natural deposits
Total Dissolved Solids (ppm)	2023	1000	N/A	56	153	133		(2023) 130/130/76/87/64/160	NO	Erosion of natural deposits
Total Hardness [as CaCO3] (ppm)	2023	N/A	N/A	31.9	79.5	86.4		(2023) 48/48/56/59/59/100	NO	Erosion of natural deposits
Fifth Unregulated Contaminant Monitoring Rule - Tahoe City only (refer to Tahoe city CCR for further information.)										
*UCMR5 - Lithium (ppb)	2023	N/A (Unregulated)	N/A	N/A	N/A	ND		Average 11.6/ Range 10.1-13 (Detected in Highlands Wells Only)	N/A	See health and general information - from Tahoe City CCR
PFAS/PFOA	2024	N/A (Unregulated)	N/A	N/A	ND	ND		ND	N/A	Industrial Facilities, Landfills, Wastewater Treatment Plants

Lead

Lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water is primarily from materials and parts used in service lines and in home plumbing. NorthTahoe PUD is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in the plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time. You can help protect yourself and your family by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Using a filter, certified by an American National Standards Institute accredited certifier to reduce lead, is effective in reducing lead exposures. Follow the instructions provided with the filter to ensure the filter is used properly. Use only cold water for drinking, cooking, and making baby formula. Boiling water does not remove lead from water. Before using tap water for drinking, cooking, or making baby formula, flush your pipes for several minutes. You can do this by running your tap, taking a shower, doing laundry or a load of dishes. If you have a lead service line or galvanized requiring replacement service line, you may need to flush your pipes for a longer period. If you are concerned about lead in your water and wish to have your water tested, contact North Tahoe PUD at (530) 546-4212. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at https://www.epa.gov/safewater/lead.

*: Lead and copper samples are gathered by North Tahoe Public Utility District personnel from customer volunteers living in the Dollar Hill Water System.

*: Consistent with the U.S. EPA Lead and Copper Rule Revisions (LCRR), North Tahoe PUD has conducted a service line inventory. If you would like information regarding the material of your service line, please visit our office at 875 National Ave. Tahoe Vista CA or call us at (530)-546-4212

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).

Gross Alpha

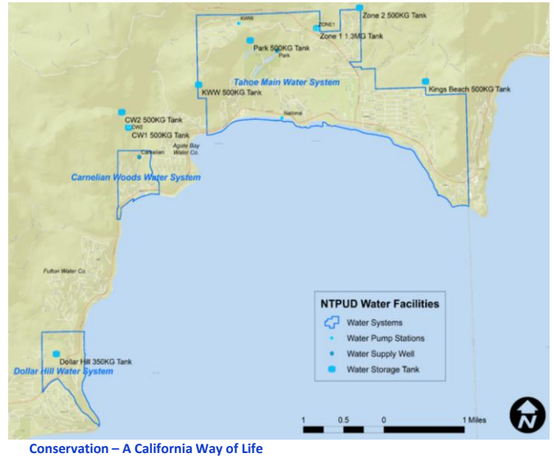
Certain minerals are radioactive and may emit a form of radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer.

Uranium

Some people who drink water containing uranium in excess of the MCL over many years may have kidney problems or an increased risk of getting cancer.

Arsenic

While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The U.S. Environmental Protection Agency continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.



Conservation – A California Way of Life

As of May 13, 2020 the District's Stage 2 water conservation measures will remain in effect.

Current Reduction Measures

Water only on *designated days*- (Stage 2 Highlights)

- **EVEN** addresses: Monday, Wednesday, Friday
- **ODD** addresses: Sunday, Tuesday, Thursday
- **NO** watering on Saturday

Water only on *designated times*- (Stage 1 Highlights)

- **No** watering between the hours of **9am – 6pm**
- **No** watering within 48 hours after, measurable precipitation
- **No** watering if the air temperature is less than 40 degrees Fahrenheit

The following wasteful water practices are now permanently *prohibited*:

- Irrigation that causes run off onto sidewalks or streets
- Hosing off hard surfaces (i.e., asphalt driveways), except for pavement resurfacing/sealing or public health/safety reasons
- Automatic shut off valves or nozzles are required on ALL hoses

For most recent info go to ntpud.org/public-utilities/water/regulations/.

Where does my water come from?

The North Tahoe Public Utility District services 3,976 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 329.5 million gallons of water to our customers in 2023.

How can I keep our drinking water safe and clean?

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 includes:

- 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.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (U.S. EPA) and the State Water Resources Control Board (State Water Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. 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.

Why are there contaminants in my 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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. EPS'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)**.

Source water assessment and its availability

Our most recent watershed sanitary survey (North Lake Tahoe) update is 2022. 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 Lahontan Regional Water Quality Control Board (RWQCB).

Water Quality Data

These system table lists a portion the drinking water contaminants that were tested for during the 2023 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1—December 31, 2023. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. See the last page for Terms and Abbreviations used in the report. This full report is available on our website at ntpud.org/public-utilities/water/quality/.

For Your Information

Our Board of Directors meets on the second Tuesday of each month at the North Tahoe Event Center. We encourage participation in these meetings. For meeting times and agendas please contact the District's main office, (530) 546-4212, or visit our website ntpud.org.

To obtain specific water quality or watershed data contact the Water Quality Department (530) 546-4212, or savewater@ntpud.org.

Acronyms and Abbreviations

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 allow for a margin of safety.

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.

Primary Drinking Water Standard (PDWS): MCLs, MRDLs and treatment techniques (TTs) for contaminants that affect health, along with their monitoring and reporting requirements.

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 Disinfection Level Goal (MRDLG): 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.

Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

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

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

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

TON: Threshold Odor Number

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

An.: Annual

N/A: Not Applicable

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

N/R: Not Regulated or Not Required

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

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

Units: Number of units measured

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

Turbidity: is a measure of the cloudiness of the water. We monitor it because it is a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants.

NTU: Nephelometric Turbidity Unit.