Your water provider, the Suisun-Solano Water Authority, welcomes this yearly opportunity to communicate our commitment to delivering quality water to our customers through this Annual Water Quality Report. The water system is a partnership between the City of Suisun City and Solano Irrigation District, a special purpose public agency. There are currently over 8,713 service connections, and the system delivered over 1.01 Million Gallons of water in 2024.

A Drinking Water Source Assessment for the Putah South Canal was completed in 2001. The source water is considered most vulnerable to illegal activities such as unauthorized dumping, and herbicide application. No chemicals associated with these activities have been detected. You may request a summary of the assessment at 707-455-4021.

Public involvement in water quality decisions is welcomed. The public is encouraged to attend meetings. If you wish to do so, please call City Hall at 707-421-7300, and ask them to place your name on the mailing list for Board meetings.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien.

Disinfection Byproducts back in compliance again!

- **Progress and Timelines** – On October 15, 2024, we conducted our fourth-quarter compliance sampling, and we are pleased to report that total trihalomethane (TTHM) levels are once again below the Maximum Containment Level (MCL) of 80 parts per billion. With this milestone, the SSWA system has officially returned to compliance with the state's disinfection byproduct rule the last 3 quarters.

- **This achievement** – Is a testament to the commitment, expertise, and teamwork of our Water Treatment, Distribution, Quality, and Engineering staff, who have worked tirelessly to monitor, optimize, and enhance our water treatment processes at the water treatment plant. Their dedication over the past year has been instrumental in consistently reducing TTHM levels.

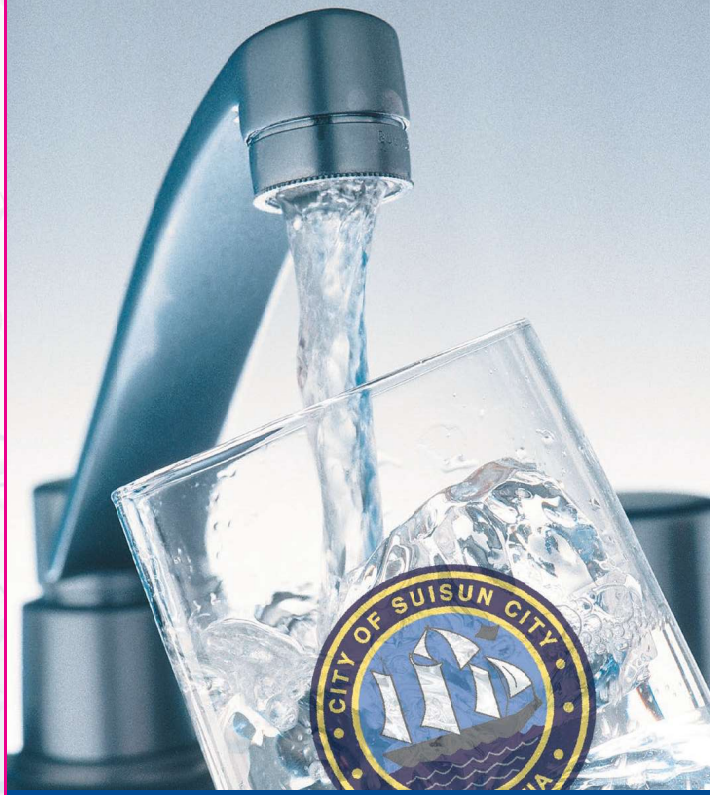
- **Educational video** – Staff members have produced a short video providing an overview of the water treatment process and how we addressed the formation of TTHM's in the system. The video can be viewed here: https://www.youtube.com/watch?v=bpZcVTmuLQ0

Our Commitment

We appreciate your patience and understanding as we worked to resolve this issue. Looking ahead, our staff remains committed to maintaining compliance and will continue exploring options and improvements to meet current and future regulatory requirements sustainably.

Suisun-Solano Water Authority Drinking Water Quality Report 2024

Only Tap Water Delivers
• Public Health Protection • Fire Protection •
• Support for the Economy • Quality of Life •



Your Drinking Water Meets and Exceeds All EPA and California Health Standards

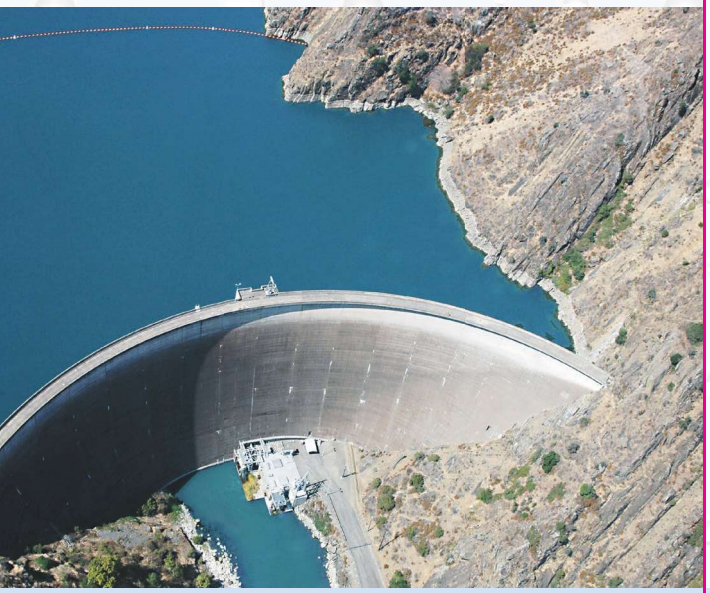
Your Water Source and Supply Facilities

The water source for this system is surface water from Lake Berryessa. The Putah South Canal transports this water to the Cement Hill Water Treatment Plant where it is treated to drinking water standards before distribution to our customers.

The water distribution system includes four above ground tanks. Collectively, these tanks can store up to 7.5 million gallons of water. The Cement Hill Water Treatment Plant is designed with emergency diesel powered back-up generators that provide electricity for the pumps in the event of a power outage.

Water Treatment

The Cement Hill Water Treatment Plant can process up to 10 million gallons of water per day. The facility includes three clarifiers, for coagulation, flocculation, and sedimentation processes, followed by ten dual-media pressure filters that clean the water to meet strict standards of clarity. Throughout the processes, chemical additions help with coagulation, sedimentation, and filtering of the water supply. Chlorine is added to your water to meet surface water treatment and water quality regulations.



Water Quality our Commitment our Profession!

Drinking Water is a highly regulated industry, with extensive Federal EPA and CA Division of Drinking Water regulations. Water Systems are required to test the water and submit reports for different parameters daily, weekly, monthly, annually, and additional frequencies. There are regulations on public notification like this annual report of detected constituents, or within 24 hour notification about urgent concerns. Our staff have high level Operator Certifications with required continuing education to stay current on changing advances in Water Distribution, and Treatment.

We have staff available 24 hours a day/7 days a week/365 days a year. You can sign up for additional alerts of repairs and information at our website: www.sidwater.org Please let us know if you have questions about your drinking water, want to report a leak, or reach our conservation hotline. We care about our Customers!

A Message from the Environmental Protection Agency

The sources of all drinking water (both tap water and bottled water) may 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, 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, 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, USEPA and the California Department of Public Health prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

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.

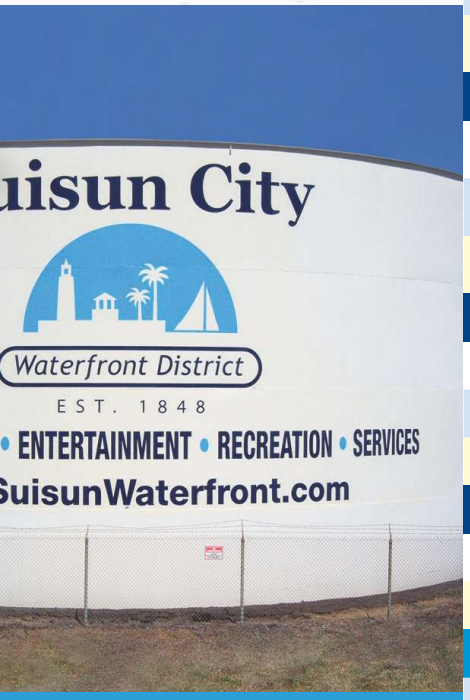
Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers.

More information about contaminants and potential health effects can be

continues

If you have any questions about this report or the quality of the water delivered by Suisun-Solano Water Authority, please contact Greg Stinson, M&I Superintendent, 707-455-4019

ential for lead exposure by flushing
econds to 2 minutes before using water
ooking. If you are concerned about lead
u my wish to have your water tested.
ead in drinking water, testing methods,
n take to minimize exposure is available
nking Water Hotline or at
afewater/lead.



ms Used in This Report

of a contaminant which, if exceeded,
t or other requirements which a water
w.

taminant Level:

of a contaminant that is allowed in drinking
CLs are set as close to the PHGs (or MCLGs)
and technologically feasible. Secondary
otect the odor, taste, and appearance of

ntaminant Level Goal:

taminant in drinking water below which
or expected risk to health. MCLGs are set
nmental Protection Agency (USEPA).

esidual Disinfectant Level:

of a disinfectant allowed in drinking water.
g evidence that addition of a disinfectant is
trol of microbial contaminants.

Residual Disinfectant Level Goal:

king water disinfectant below which there
pected risk to health. MRDLGs do not reflect
e use of disinfectants to control microbial

s per Centimeter

t testing limit

el:

isory level set by the Department for
no MCL. This is not an enforceable standard,
ments and recommendations may apply if
is level.

Evaluating Your Drinking Water – The tables below list all of the drinking water constituents that were
the most recent sampling. The presence of these constituents in the water does not necessarily indicate that
a health risk. The Health Department allows systems to monitor for certain constituents less than once per y
concentrations of these constituents do not change frequently.

TABLE 1 - SAMPLING RESULTS SHOWING THE DETECTION OF BACTERIA

Microbiological Constituents	Highest No. of detections	No. of months in violation	MCL	MCLG	Typical Source o
Total Coliform Bacteria	(In a mo.) 0	0	More than 1 sample in a month with a detection	0	Naturally present in th
E. coli	(In the year) 0	0	A routine sample and a repeat sample detect total coliform and either sample also detects E. coli	0	Human and anima

TABLE 2 – CUSTOMER TAP SAMPLING RESULTS FOR LEAD AND COPPER

Lead and Copper (reporting units)	No. of samples collected	90th percentile level detected	No. of sites exceeding AL	AL	PHG
Lead (ppb) 10/15/2023	30	ND	0	15	0.20
Copper (ppm) 10/15/2023	30	0.056	0	1.3	0.30

TABLE 3 - SAMPLING RESULTS FOR SODIUM AND HARDNESS

Constituent (reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL	PHG (MCLG)
Sodium (ppm)	3/19/2024	26	26	none	none
Hardness (ppm)	3/19/2024	180	180	none	none

TABLE 4 - DETECTION OF CONSTITUENTS WITH A PRIMARY DRINKING WATER STAND

Constituent (reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]
Barium (ppm)	3/19/2024	0.051	0.051	1	2
Disinfection Byproducts, Disinfectant Residuals, and Disinfection Byproduct Precursors in Distribution Syst					
Total Trihalomethanes (ppb)	Quarterly 2024	93	36-110	80	NA
Haloacetic Acids (ppb)	Quarterly 2024	45	20-54	60	NA
Chlorine (ppm)	Weekly 2024	0.84	0.02-1.45	[4.0]	[4]
Total Organic Carbon (ppm)	Monthly 2024	2.3	2.0-2.5	TT	NA

TABLE 5 – DETECTION OF CONSTITUENTS WITH A SECONDARY DRINKING WATER STAN

Constituent (reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL	PHG (MCLG)
Chloride (ppm)	3/19/2024	15	15	500	NA
Sulfate (ppm)	3/19/2024	45	45	500	NA
Specific Conductance (µS/cm)	3/19/2024	450	450	1600	NA
Total Dissolved Solids (ppm)	3/19/2024	270	270	1000	NA

TABLE 6 - SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURC

Treatment Technique (Type of approved filtration technology used)	Conventional Filtration
Turbidity Performance Standards (must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to 0.3 NTU in 95% of measurements in 2 – Not exceed 5.0 NTU at any time.
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	100 %
Highest single turbidity measurement during the year	0.135 NTU
Number of violations of any surface water treatment requirements	0

SSWA was tested quarterly for PFAS?PFOS compounds and all were Non-Detect.

Regulations require water systems to complete and submit an Initial Lead Service Line Inventory by October 16, 2024, SID missed the deadline but as of Marc
line inventories have been submitted and accepted.