SACRAMENTO COUNTY WATER AGENCY

2024 WATER QUALITY REPORT - CENTRAL & SOUTH SERVICE AREA (CSA & SSA) (See Note #1)

DETECTED PRIMARY STANDARDS - Mandatory Health-Related Standards
Established by the State Water Resources Control Board (State Board)

CONSTITUENT	SAMPLE DATE (See #2)	UNITS	PHG or (MCLG) or [MRDLG]	MCL OR [MRDL]	MAJOR SOURCES IN DRINKING WATER	SURFACE WATER (see #3) RANGE (LO-HI)	SURFACE WATER (see #3) AVERAGE	GROUNDWATER RANGE (LO-HI)	GROUNDWATER WEIGHTED AVERAGE
INORGANIC CONTAMINANTS									
Arsenic	2023 - 2024	PPB	0.004	10	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes.	ND	ND	ND - 7.3	ND
Barium	2016 - 2024	PPM	2	1	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits.	ND	ND	ND - 0.15	ND
Chromium (hexavalent)	2022 - 2024	PPB	0.02	10	Erosion of natural deposits; transformation of naturally occurring trivalent chromium to hexavalent chromium by natural processes and human activities such as discharges from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities.	ND	ND	ND - 9.6	ND
Fluoride (Natural Source)	2024	PPM	1	2	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.	ND	ND	ND - 0.45	0.22
Nitrate (as N)	2024	PPM	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits.	ND	ND	ND - 3.5	ND
DISINFECTION BYPRODUCTS and DISINFECTION BYPRODUCT PRECURSORS									
4 TTHMs [Total Trihalomethanes]	2017 - 2020	PPB	n/a	80	Byproduct of drinking water disinfection.	ND	ND	ND - 2.7	ND
5 Control of DBP Precursors (TOC)	2024	PPM	n/a	TT	Various natural and manmade sources	0.80 - 1.3	1	NA	NA
RADIOACTIVE CONTAMINANTS									
Gross Alpha Activity	2016 - 2024	pCi/L	(0)	15	Erosion of natural deposits.	ND	ND	ND - 5.1	ND
6 Uranium	2016 - 2024	pCi/L	0.43	20	Erosion of natural deposits.	ND	ND	ND - 2.7	ND
Radium 226	2016 - 2024	pCi/L	0.05	n/a	Erosion of natural deposits.	ND	ND	ND - 2.42	ND
Radium 228	2016 - 2024	pCi/L	0.05	n/a	Erosion of natural deposits.	ND	ND	ND - 1.02	ND
DISTRIBUTION SYSTEM						**RANGE (LO - HI)**		**AVERAGE**	
Chlorine Residuals	2024	PPM	[4]	[4.0]	Drinking water disinfectant added for treatment.	0.1 - 1.98		1.34	
TTHMs [Total Trihalomethanes]	2024	PPB	n/a	80	Byproduct of drinking water disinfection.	18 - 48		37.3	
7 HAA5 [Sum of 5 Haloacetic Acids]	2024	PPB	n/a	60	Byproduct of drinking water disinfection.	7.2 - 33		27.3	
8 Fluoride (Treated - Distribution)	2024	PPM	1	2	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.	0.58 - 0.83		0.73	
MICROBIOLOGICAL CONTAMINANTS						**LEVEL FOUND**		**Violation**	
9 Total Coliform Bacteria	2024	% of Positive Samples	(0)	> 5% of Monthly Samples are Positive	Naturally present in the envirionment.	1.59%		No	
E. coli (in the distribution system)	2024	% of Positive Samples	(0)	0	Human or animal fecal waste	**3** (See Special Notice)		No	
10 Turbidity	2024	NTU	n/a	TT = 1 NTU	Soil Runoff	0.124 NTU		No	
			n/a	TT = 95% of Samples ≤ 0.3 NTU		100%		No	

Special Notice: E. coli Detection:

On 08/27/2024, 10/15/2024 & 12/10/2024, SCWA received E. Coli positive distribution system samples in the Laguna/ Vineyard (CSA/ SSA) public water system. All three occurances triggered repeat and source well samples which returned negative for Total coliform and E. coli. On 12/11/2024, SCWA conducted a system survey and investigation which found no sanitary defects in the distribution system. SCWA believes the increase in E. coli positive samples was caused by the sampling method used by the company that took the samples. All bacteriological samples are now taken by SCWA operators.

Although E. coli was detected, the CSA/ SSA water system is not in violation of the E. coli MCL.

NOTES:

1. The Central and South Service Area (CSA/SSA) is a blend of groundwater from the Laguna/ Vineyard/ Country Creek Estates/ Grantline 99 water system and surface water from the Vineyard Surface Water Treatment Plant (VSWTP) and the City of Sacramento Water.
2. The State Water Resources Control Board Division of Drinking Water (SWRCB DDW) allows Sacramento County Water Agency (SCWA) to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old.
3. Surface Water is from SCWA's VSWTP and from the City of Sacramento. Respectively, these sources provided approximately 56% and 9% of the water distributed to customers in 2024. For more information regarding the City of Sacramento's water quality data, go online (**http://portal.cityofsacramento.org/Utilities/Education/water-quality**) or call (916) 264-5011.
4. Total Trihalomethanes are the sum of Four Regulated THMs, i.e., Chloroform, Bromodichloromethane, Dibromochloromethane, and Bromoform.
5. Only Surface water sources must monitor for Disinfection By-Product precursors. Treatment Technique is not required if the raw or treated water TOC is < 2 PPM.
6. The SWRCB allows the measurement of gross alpha radiation as a surrogate for Uranium.
7. Haloacetic Acids are the Sum of Five Regulated HAAs, i.e., Monochloroacetic Acid, Monobromoacetic Acid, Dichloroacetic Acid, Dibromoacetic Acid, and Trichloroacetic Acid.
8. The CSA/SSA water system's facilities are all fluoridated to reduce tooth decay in children. Studies show that water fluoridation reduces tooth decay by 20 to 40 percent. The SWRCB advised SCWA to implement the Center for Disease Control & Prevention's (CDC's) recommended optimal fluoride content of 0.7 mg/L and control range of 0.6 mg/L – 1.2 mg/L. Information about fluoridation, oral health and current issues is available from **http://waterboards.ca.gov/drinking_water/certlic/drinkingwater/Fluoridation.html.**
9. On Systems that collect more than 40 samples per month, the Total Coliform (TC) Bacteria MCL is 5% of the samples collected in any one month return TC positive. A positive TC sample triggers three (3) resamples in the distribution system and collection at the source (i.e., groundwater wells) of samples for TC & E. coli, per the federal Ground Water Rule (GWR) and the Revised Total Coliform Rule (RTCR). In 2024, all re-samples taken per the GWR & RTCR returned negative (absent) for TC & E. coli.
10. Turbidity is a measure of the cloudiness of the water. 0.124 NTU is the highest individual measurement in 2024. 100% of the monthly samples were in compliance (below the 0.3 NTU range). SCWA monitors turbidity because it is a good indicator of the effectiveness of its filtration systems. High turbidity can hinder the effectiveness of disinfectants. Only surface water sources must comply with PDWS for turbidity.

SECONDARY STANDARDS - Aesthetic Standards
Established by the State Water Resources Control Board (State Board)

CONSTITUENT	SAMPLE DATE	UNITS	PHG or (MCLG) or [MRDLG]	MCL OR [MRDL]	MAJOR SOURCES IN DRINKING WATER	SURFACE WATER RANGE (LO-HI)	SURFACE WATER AVERAGE	GROUNDWATER RANGE (LO-HI)	GROUNDWATER WEIGHTED AVERAGE
Color	2022 - 2024	Units	n/a	15	Naturally-occurring organic materials	ND - 5	2.50	ND - 5	0.2
Foaming Agents [MBAS]	2022 - 2024	PPB	n/a	500	Municipal and industrial waste discharges	ND	ND	ND - 290	70
Iron	2022 - 2024	PPB	n/a	300	Leaching from natural deposits; Industrial wastes	ND	ND	ND - 110	ND
Manganese	2022 - 2024	PPB	n/a	50	Leaching from natural deposits.	ND	ND	ND - 20	ND
Odor-Threshold	2022 - 2024	Units	n/a	3	Naturally-occurring organic materials.	1.8 - 2	1.9	ND - 2	ND
Turbidity	2022 - 2024	Units	n/a	5	Soil runoff.	ND - 0.124	ND	ND - 0.55	0.28
Total Dissolved Solids	2022 - 2024	PPM	n/a	1000	Runoff/leaching from natural deposits.	91 - 110	100.5	120 - 320	218
Specific Conductance (E.C.)	2022 - 2024	umhos/cm	n/a	1600	Substances that form ions when in water; seawater influence.	110 - 170	140	170 - 530	270
Chloride	2022 - 2024	PPM	n/a	500	Runoff/leaching from natural deposits; seawater influence.	3.3 - 6.3	4.8	5 - 40	20
Sulfate	2022 - 2024	PPM	n/a	500	Runoff/leaching from natural deposits; industrial wastes.	3.8 - 5.2	4.5	ND - 9.3	1.1
OTHER CONSTITUENTS ANALYZED									
pH	2022 - 2024	Units	n/a	MO		7.2 - 7.7	7.5	7.2 - 8.1	7.9
11 Total Hardness (as CaCO3)	2022 - 2024	PPM	n/a	MO	Due to chemicals naturally occuring in the soil below the earth's surface.	47 - 62	55	18 - 220	49
12 Total Hardness (as CaCO3)	2022 - 2024	Grains	n/a	MO	Due to chemicals naturally occuring in the soil below the earth's surface.	3 - 4	3	1 - 13	3
Total Alkalinity (as CaCO3)	2022 - 2024	PPM	n/a	MO	Due to chemicals naturally occuring in the soil below the earth's surface.	42 - 79	57	68 - 250	118
Bicarbonate (as HCO3)	2022 - 2024	PPM	n/a	MO	Due to chemicals naturally occuring in the soil below the earth's surface.	42 - 86	59	68 - 250	120
Sodium	2022 - 2024	PPM	n/a	MO	Due to chemicals naturally occuring in the soil below the earth's surface.	6.7 - 12	9.4	14 - 59	43
Calcium	2022 - 2024	PPM	n/a	MO	Due to chemicals naturally occuring in the soil below the earth's surface.	11 - 13	12	4.2 - 41	10
Magnesium	2022 - 2024	PPM	n/a	MO	Due to chemicals naturally occuring in the soil below the earth's surface.	4.9 - 7.4	6	2 - 29	6

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER:

Our water system failed to monitor as required for drinking water standards during the past year and, therefore, was in violation of the regulations. Even though this failure was not an emergency, as our customers you have the right to know what you should do, what happened, and what we did to correct the situation.

The table below lists the contaminant(s) we did not properly test for during the last year, how many samples we are required to take and how often, how many samples we took, when samples should have been taken, and the date on which follow-up samples were taken. All of the samples were subsequently taken in the first quarter of 2025. The results for these samples came back at safe levels or non-detected.

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

MONITORING REQUIREMENTS NOT MET FOR SCWA - CSA/SSA WATER SYSTEM:

CONTAMINANT	REQUIRED SAMPLING FREQUENCY	NUMBER OF SAMPLES TAKEN	WHEN ALL SAMPLES SHOULD HAVE BEEN TAKEN	WHEN SAMPLES WERE TAKEN	HEALTH EFFECTS	SOURCE
Inorganic Chemicals	Annually	0	10/1/2024	2/27/2025	Unknown	Freeport Raw Intake
Secondary Drinking Water Standards	Annually	0	10/1/2024	2/27/2025	Unknown	Freeport Raw Intake
Synthetic Organic Chemicals (SOCs)	Triennially	0	8/3/2024	2/27/2025	Unknown	Seasons Well (W41)
Gross Alpha Particle Activity	Every 9 Years	0	8/26/2024	2/27/2025	Unknown	Well

Examples of Inorganics: Aluminum; Antimony; Arsenic; Asbestos; Barium; Beryllium; Cadmium; Chromium; Cyanide; Fluoride; Mercury; Nickel; Perchlorate; Selenium; Thallium

Examples of Secondary Standards: Alkalinity; Bicarbonate; Calcium; Carbonate; Chloride; Color; Copper; Foaming Agents; Hardness (as CACO3); Hydroxide; Iron; Magnesium; Manganese; Odor; pH; Silver; Sodium; Conductivity; Sulfate; TDS; Turbidity; Zinc

Examples of Regulated SOCs: 1,2,3-TRICHLOROPROPANE; 2,3,7,8-TCDD; 2,4,5-TP; 2,4-D; LASSO (ALACHLOR); ATRAZINE; BENTAZON; BENZO(A)PYRENE; CARBOFURAN; CHLORDANE; DALAPON; DI(2-ETHYLHEXYL) ADIPATE; DI(2-ETHYLHEXYL) PHTHALATE; 1,2-DIBROMO-3-CHLOROPROPANE; DINOSEB; DIQUAT; ENDOTHALL; ENDRIN; ETHYLENE DIBROMIDE; GLYPHOSATE; HEPTACHLOR; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; HEXACHLOROCYCLOPENTADIENE; BHC-GAMMA; METHOXYCHLOR; MOLINATE; OXAMYL; PENTACHLOROPHENOL; PICLORAM; TOTAL POLYCHLORINATED BIPHENYLS (PCB); SIMAZINE; THIOBENCARB (BOLERO); TOXAPHENE

LEAD & COPPER (See Note 13.)

CONTAMINANT	SAMPLE DATE	UNITS	PHG or (MCLG)	ACTION LEVEL	MAJOR SOURCES IN DRINKING WATER	NUMBER OF SAMPLES	90TH % LEVEL DETECTED	NUMBER EXCEEDING AL
Lead	2022	PPB	(0.2)	15	Internal corrosion of household water plumbing systems; discharges from industrial manufactures; erosion of natural deposits.	50	ND	0
Copper	2022	PPM	(0.3)	1.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.	50	0.15	0

NOTES:

11. Hardness units are PPM. General guidelines for classification of water hardness are: 0 - 60 PPM as **soft**; 61 - 120 PPM as **moderately hard**; 121 - 180 PPM as **hard**; and greater than 180 PPM as **very hard**.
12. Most commercial companies use "grain" units. Conversion: 17.1 PPM = 1 grain.
13. The levels for Lead and Copper concentrations were obtained from the 90th percentile of fifty-three (53) tap water samples taken throughout the CSA/SSA water system. The MCLs for lead and copper are set at "Action Levels" (AL). None of the samples taken in the CSA/ SSA exceeded the Action Level for Copper; however, one sample for Lead exceeded the AL with a result of 16 PPB (µg/L). Please refer to the educational information on Lead in drinking water.

SACRAMENTO COUNTY WATER AGENCY

2024 WATER QUALITY REPORT - CENTRAL & SOUTH SERVICE AREA (CSA & SSA) (See Note #1)

PER- & POLYFLUOROALKYL SUBSTANCES (PFAS) - See # 14.

The State Water Resources Control Board Division of Drinking Water (SWRCB DDW) established new drinking water guidelines for water agencies to follow in detecting and reporting the presence of perfluorooctanoic acid (PFOA), perfluorooctanesulfonic acid (PFOS), perfluorohexane sulfonic acid (PFHxS), and perfluorobutane sulfonic acid (PFBS) – four members of a large family of chemicals known as per- and polyfluoroalkyl substances (PFAS). Until PFOA and PFOS were phased out in the 2000s due to health concerns, these chemicals were widely used in grease and stain resistant coatings for consumer products and firefighting foams. Drinking water containing PFAS has become an increasing concern due to the persistence of these chemicals in the environment and their tendency to accumulate in groundwater. Long-term exposure to PFAS over certain levels is associated with adverse health effects that include cancer and developmental harm. SWRCB DDW has identified analytical methods capable of detecting the following twenty-five (25) perfluorinated compounds in drinking water:

PERFLUOROBUTANE SULFONIC ACID (PFBS)	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA)	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID (11Cl-PF3OUdS)	perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)
PERFLUOROHEPTANOIC ACID (PFHpA)	PERFLUOROUNDECANOIC ACID (PFUnA)	1H,1H, 2H, 2H-perfluorodecane sulfonic acid (8:2FTS)	perfluoro-3-methoxypropanoic acid (PFMPA)
PERFLUOROHEXANE SULFONIC ACID (PFHxS)	PERFLUORODECANOIC ACID (PFDA)	1H,1H, 2H, 2H-perfluorohexane sulfonic acid (4:2FTS)	perfluoro-4-methoxybutanoic acid (PFMBA)
PERFLUORONONANOIC ACID (PFNA)	PERFLUORODODECANOIC ACID (PFDoA)	1H,1H, 2H, 2H-perfluorooctane sulfonic acid (6:2FTS)	perfluorobutanoic acid (PFBA)
PERFLUOROOCTYL SULFONIC ACID (PFOS)	PERFLUOROHEXANOIC ACID (PFHxA)	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl- PF3ONS)	perfluoroheptanesulfonic acid (PFHpS)
PERFLUOROOCTANOIC ACID (PFOA)	4,8-DIOXA-3H-PERFLUORONONANOIC ACID (ADONA)	nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	perfluoropentanesulfonic acid (PFPeS)
			perfluoropentanoic acid (PFPeA)

CONSTITUENT	SAMPLE DATE	UNITS	Notification Level (#15)	Response Level (#16)	MAJOR SOURCES IN DRINKING WATER	SURFACE WATER RANGE (LO - HI)	SURFACE WATER AVERAGE	GROUNDWATER (see 17.) RANGE (LO - HI)	GROUNDWATER (see 17.) AVERAGE
Perfluoroheptanoic acid (PFHpA)	2020 - 2024	PPT	n/a	n/a		ND	ND	ND - 3.3	ND
Perfluorohexanoic acid (PFHxA)	2020 - 2024	PPT	n/a	n/a		ND	ND	ND - 3.9	ND
Perfluorooctanoic Acid [PFOA]	2020 - 2024	PPT	5.1	10	Chemicals used in grease and stain resistant coatings for consumer products and firefighting foams.	ND	ND	ND - **8**	ND
Perfluorooctyl Sulfonate [PFOS]	2020 - 2024	PPT	6.5	40	Chemicals used in grease and stain resistant coatings for consumer products and firefighting foams.	ND	ND	ND - 5.8	ND
Perfluoropentanoic acid (PFPeA)	2020 - 2024	PPT	n/a	n/a		ND	ND	ND - 4.1	ND

NOTES:

14. Starting in the 2nd Quarter of 2019, SCWA (per SWRCB DDW direction) began PFAS monitoring at numerous wells in the CSA/SSA water system. SCWA concentrated testing where detectable amounts of PFAS were found in groundwater wells. The wells at which lab analysis results returned exceeding the Notificatioin Levels are taken off-line and used only for emergency purposes. For more information on PFAS, PFOA and PFOS, please visit the SWRCB DDW's resource page: **https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/pfas.html**
15. The guidelines adopted by the SWRCB DDW set Notification Levels (NL) of 5.1 parts per trillion (PPT) for PFOA, 6.5 PPT for PFOS, 500 PPT for PFBS and 3 PPT for PFHxS. If the NL is exceeded, the water agency (SCWA) is required to report the results to the Sacramento County Board of Supervisors, the SWRCB DDW, and the customer.
16. The SWRCB DDW established a Response Level (RL) of 10 PPT for PFOA, 40 PPT for PFOS, 5000 PPT for PFBS and 20 PPT for PFHxS. If the RL is exceeded in drinking water provided to consumers, the SWRCB DDW recommends that the water agency consider taking the water source out of service, provide treatment if that option is available, or provide public notice of the exceedance level.
17. The CSA/ SSA water system's Big Horn North Well (W52) had levels of PFOA which exceeded the SWRCB's notification level (NL). W52 was taken offline in 2024. PFAS analysis results for fifteen (15) other wells in the CSA/ SSA water system through December 31, 2024 were Non-Detect.

LEGEND:

AL…Regulatory Action Level	NA…Not Analyzed	NR…Not Required	PPB…Parts per Billion (ug/l)	TOC…Total Organic Carbon
MFL…Million Fibers Per Liter	n/a…Not Applicable	NTU…Nephelometric Turbidity Units	PPM…Parts per Million (mg/l)	TT…Treatment Technique
MO…Monitored Only	ND…Non-Detected	PDWS…Primary Drinking Water Standard	PPT…Parts per Trillion (ng/l)	WTP…Water Treatment Plant
MPN…Most Probable Number	NL…Notification Level	pCi/L…Pico Curies per Liter	RL…Response Level	

PARTS PER MILLION (PPM) OR MILLIGRAMS PER LITER (mg/L)

Parts per million (PPM) and milligrams per liter (mg/L) are units of measurement to determine the amount of a chemical in water. If we thought of each "part" or "milligram" as a second in a period of time, the following time frames would be an appropriate or accurate comparison:

1 milligram per liter (mg/L)	or	1 part per million (PPM)	=1 second in 11.5 days
1 microgram per liter (µg/L)	or	1 part per billion (PPB)	=1 second in nearly 32 years
1 nanogram per liter (ng/L)	or	1 part per trillion (PPT)	=1 second in nearly 32,000 years
1 picogram per liter (pg/L)	or	1 part per quadrillion (PPQ)	=1 second in nearly 32,000,000 years

In 2024, SCWA blended its water for the CSA/SSA from three (3) sources. Surface water, which comes from the Vineyard Surface Water Treatment Plant and the City of Sacramento, makes up 65% of the water provided to customers. Groundwater, from CSA/SSA's thirty-four (34) groundwater wells and nine (9) water treatment plants (WTPs), makes up 35% of the total water provided . For more detailed information regarding this report or SCWA water quality, call Aaron Wyley [(916) 875-5815] or Anna Gutierrez [(916) 875-5462].

FEDERAL UNREGULATED CONTAMINANT MONITORING RULE (UCMR 5) - Established by USEPA (See Note 18)

CHEMICAL	SAMPLE DATE	UNITS	Minimum Reporting Level	MAJOR SOURCES IN DRINKING WATER	NOTIFICATION LEVEL (NL)	RESPONSE LEVEL (RL)	SURFACE WATER RANGE	SURFACE WATER WTD. AVG.	GROUNDWATER (see Note #19) RANGE	GROUNDWATER (see Note #19) WTD. AVG.
Perfluorobutanesulfonic acid (PFBS)	2024	PPT	3		500	5000	ND	ND	ND - 4.8	ND
perfluoroheptanoic acid (PFHpA)	2024	PPT	3		n/a	n/a	ND	ND	ND - 6.3	ND
perfluorohexanesulfonic acid (PFHxS)	2024	PPT	3		3	20	ND	ND	ND - **6.8**	ND
perfluorohexanoic acid (PFHxA)	2024	PPT	3		n/a	n/a	ND	ND	ND - 8.4	ND
perfluorooctanesulfonic acid (PFOS)	2024	PPT	4	Chemicals used in grease and stain resistant coatings for consumer products and firefighting foams.	6.5 ng/L	40	ND	ND	ND - **24**	ND
perfluorooctanoic acid (PFOA)	2024	PPT	4	Chemicals used in grease and stain resistant coatings for consumer products and firefighting foams.	5.1 ng/L	10	ND	ND	ND - **14**	ND
perfluoropentanoic acid (PFPeA)	2024	PPT	3		n/a	n/a	ND	ND	NA	NA

NOTES:

18. Unregulated contaminant monitoring helps U.S. EPA and the State Water Resources Control Board to determine where certain contaminants occur and whether the contaminants need to be regulated.
19. SCWA is required by The Fifth Unregulated Contaminant Monitoring Rule (UCMR5), which was published by the U.S. EPA in December 2021, to monitor for 29 PFAS and lithium. The wells which had constituent levels greater than the notification level (NL) have been taken off-line and are used for emergency purposes only. For more information, please visit https://www.epa.gov/dwucmr/fifth-unregulated-contaminant-monitoring-rule.

DEFINITIONS

Average: The annual average of all tests for a particular substance.
Detection Limit for Reporting: The limit at or above which a contaminant is detected.
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.
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, MRDLs and treatment techniques (TTs) for contaminants that affect health, along with their monitoring and reporting 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.
Range (Lo - Hi): The range between the lowest and highest values of a specific substance measured throughout the course of the year.
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.
Weighted Average (WTD AVG): An average of water quality samples in which each sample is assigned a weight. Each sample's contribution (or weight) is based on the amount of water the corresponding water source produces for the whole system. Instead of each of the sample results contributing equally to the final average, some of the results contribute more than others.

Educational Information:

Drinking Water Contaminants:
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.

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.

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. 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).

SACRAMENTO COUNTY WATER AGENCY

2024 WATER QUALITY REPORT - CENTRAL & SOUTH SERVICE AREA (CSA & SSA) **(See Note #1)**

Educational Information for Arsenic and Lead:

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.

Lead:

The Sacramento County Water Agency is conducting an inventory of all water service lines, which are the pipes that connect your building or home to the water main. The purpose of the inventory is to identify the material these service lines and fittings are made of. Pipes containing lead have been banned from being installed in new construction for many years; however, some of the water distribution systems owned and operated by SCWA are old. Some of the pipe has not been identified or is considered an unknown material. You can access online reporting of inventoried pipe material in SCWA's Electronic Annual Reports under "Data Downloads" at https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/ear.html. SCWA's "Lead Assessment Program" and the lead service line inventory is available at https://mapservices.gis.saccounty.gov/portal/apps/sites/#/scwa-lead-service-line-inventory.

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. The Sacramento County Water Agency (SCWA) 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 Aaron Wyley with SCWA by phone [(916)875-5815]. 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.

Cryptosporidium:

Cryptosporidium is a microbial pathogen found in surface water (e.g., rivers, lakes and streams) throughout the U.S. SCWA's monitoring indicates the presence of these organisms in our source water, which is the Sacramento River. Between May 2015 and April 2017 SCWA took monthly samples for Giardia and Cryptosporidium, as well as turbidity and E. coli. Of the 24 samples taken, only one detected the presence of these organisms. The results ranged from non-detect (ND) to 0.182 Oocysts per liter. The maximum average is below the threshold of 0.075 oocysts per liter. SCWA's surface water is treated with a thorough disinfection and filtration process to remove Cryptosporidium before distribution to the customer; however, the most commonly-used filtration methods cannot guarantee 100 percent removal. Current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. Ingestion of Cryptosporidium may cause cryptosporidiosis, an abdominal infection. Symptoms of infection include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks. However, immune-compromised people, infants and small children and the elderly are at greater risk of developing life-threatening illness. We encourage immune-compromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection. Cryptosporidium must be ingested to cause disease, and it may be spread through means other than drinking water.

SOURCE WATER ASSESSMENT

To help protect the quality of existing and future groundwater supplies, the Drinking Water Source Assessment and Protection (DWSAP) program calls for examining the vulnerability of drinking water sources to potential contamination. The Water Agency completed its latest comprehensive report in May 2019. The Water Agency's report identified the following potential contamination results:

Arden Park Vista & Northgate:

Most vulnerable to commercial types of activities such as the dry cleaning business, gas stations, a sewer collection system and a leaking underground storage tank, electronic manufacturers and photo processors.

Central & South Service Area (CSA & SSA)

Most vulnerabe to activities including automobile-gas stations; boat services/ repair/ refinishing; chemical/ petroleum pipelines; dry cleaners; fleet/ truck/ bus terminal; grazing; historic waste dumps/ landfills; leaking underground storage tanks; other animal operations; pesticides/ fertilizer/ petroleum storage transfer areas; plastics/ synthetics producers; research laboratory; wells-agricultural/ irrigation types; wells-oil, gas, and geothermal types; wood preserving/ treating and sewer collection systems

Hood, East Walnut Grove and Delta Estates:

Most vulnerable to irrigated crops and septic systems.

North Service Area (NSA):

Most vulnerable to commercial types of activities such as grazing, known contaminant plumes, low-density septic systems, sewer collection systems and wells-agricultural irrigation types