## SACRAMENTO COUNTY WATER AGENCY 2023 WATER QUALITY REPORT - ARDEN PARK VISTA, NORTHGATE & SOUTHWEST TRACT

DETECTED PRIMARY STANDARDS - Mandatory Health-Related Standards																					
Established by the State Water Resource	s Control Board	(State Boar	rd)																		
			PHG or	( 7		ARDEN PARK VISTA		NORT	NORTHGATE		SWT (SEE #2)										
	SAMPLE DATE:	4	(MCLG) or	MCL or		RANGE	WEIGHTED	RANGE	WEIGHTED	RANGE	WEIGHTED										
CONSTITUENT	(See Note #1) UNITS [MRDLG] [MRDL] MAJOR SOURCES IN DRINKING WATER		MAJOR SOURCES IN DRINKING WATER	(LO-HI)	AVERAGE	(LO-HI)	AVERAGE	(LO-HI)	AVERAGE												
INORGANIC CONTAMINANTS																					
	/																				
Arsenic	2019 - 2023	PPB	0.004	10	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes.	ND - 3.6	ND	3.5 - 5.2	4.0	2 - 8	3.9										
Barium	2019 - 2023	PPM	2	1 1	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits.	ND - 0.1	ND	ND - 0.13	ND	ND - 0.2	0.1										
Chromium (Total Cr)	2019 - 2023	PPB	(100)	50	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits.	ND	ND	ND - 12	ND	ND	ND										
				1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer	1	· · · · · · · · · · · · · · · · · · ·	1		1											
Fluoride (Natural Source)	2019 - 2023	PPM	1	2	and aluminum factories.	ND	ND ND	0.14 - 0.23	0.2	ND	ND										
		A	A		Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural																
Nitrate (as N)	2023	PPM	10	10	deposits.	ND - 4.9	1.8	0.54 - 2.3	1.4	1.5 - 6.9	5.5										
REGULATED ORGANIC CHEMICALS																					
Tetrachloroethylene (PCE)	2022 - 2023	PPB	0.06	5	Discharge from factories, dry cleaners and auto shops (metal degreaser).	ND	ND	ND	ND	ND - 2.3	ND										
Trichloroethylene (TCE)	2022 - 2023	PPB	1.7	5	Discharge from metal degreasing sites and other factories.	ND	ND	ND	ND	ND - 0.8	ND										
RADIOACTIVE CONTAMINANTS																					
Gross Alpha Activity	2015 - 2023	pCi/L	(0)	15	Erosion of natural deposits.	ND - 4.5	ND	ND	ND	ND - 9.2	3.0										
3 Uranium	2016 - 2023	pC/L	0.43	20	Erosion of natural deposits.	ND - 1.7	ND	ND - 1.5	ND	1.6 - 8.4	4.7										
DISTRIBUTION SYSTEM																					
Chlorine Residuals	2023	PPM	[4]	[4.0]	Drinking water disinfectant added for treatment.	.64 - 1.8	1.37	0.61 - 1.67	1.61	0.62 - 1.1	1.06										
4 TTHMs [Total Trihalomethanes]	2023	PPB	n/a	80	Byproduct of drinking water disinfection.	ND - 3.7	1.8	ND - 1.6	ND	2.2	2.2										
				(/	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer																
5 Fluoride (Treatment Related- Distribution)	2023	PPM	1	2	and aluminum factories.	0.64 - 0.87	0.77	NA	NA	ND	ND										
MICROBIOLOGICAL CONTAMINANTS						LEVEL FOUND LEVEL FO		FOUND	LEVEL FOUND												
6 Total Coliform Bacteria	2023	# of Positive Samples	(0)	>1	Naturally present in the envirionment.	1		1		1		1		1		1		0		0	3

### NOTES:

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.

2 Southwest Tract (SWT) receives its water from California American Water's Fruitridge Vista Water system. For questions regarding water quality on Southwest Tract, please call California American Customer Service at 1-(888) 237-1333.

The SWRCB DDW allows the measurement of gross alpha radiation as a surrogate for Uranium. Total Trihalomethanes are the sum of Four Regulated TTHMs, i.e., Chloroform, Bromodichloromethane, Dibromochloromethane, and Bromoform.

5 The Arden Park Vista (APV) water system's facilities are fluoridated to reduce tooth decay in children. Studies show that water fluoridation reduces tooth decay by 20 to 40 percent. The SWRCB DDW advised SCWA to implement the 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/Fluoridation.html .

On Systems that collect less than 40 samples per month, the Total Coliform Bacteria MCL is no more than one (1) monthly sample return total coliform positive, per the Total Coliform Rule (TCR). A positive TC sample triggers collection of samples for E. coli at the source (i.e., groundwater wells) per the federal Ground Water Rule (GWR). In 2023, all samples taken per the GWR returned negative (absent) for E. coli. 6

### SECONDARY STANDARDS - Aesthetic Standards

			PHG or			ARDEN F	ARDEN PARK VISTA		NORTHGATE		SWT	
			(MCLG) or	MCL or		RANGE	WEIGHTED	RANGE	WEIGHTED	RANGE	WEIGHTED	
CONSTITUENT	SAMPLE DATE:	UNITS	[MRDLG]	[MRDL]	MAJOR SOURCES IN DRINKING WATER	(LO-HI)	AVERAGE	(LO-HI)	AVERAGE	(LO-HI)	AVERAGE	
Color	2016 - 2023	Units	n/a	15	Naturally-occurring organic materials.	ND - 5	2	ND	ND	ND - 5	0.7	
Iron	2016 - 2023	PPB	n/a	300	Leaching from natural deposits; industrial wastes.	ND	ND	ND - 100	ND	ND	ND	
Manganese	2016 - 2023	PPB	n/a	50	Leaching from natural deposits.	ND	ND	ND	ND	ND - 58	ND	
Odor-Threshold	2016 - 2023	UNITS	n/a	3	Naturally-occurring organic materials.	ND - 1.5	ND	ND	ND	ND - 1	ND	
Turbidity	2016 - 2023	UNITS	n/a	5	Soil runoff.	ND - 0.21	ND	0.15 - 0.5	0.24	0.1 - 4.7	0.2	
Total Dissolved Solids	2016 - 2023	PPM	n/a	1000	Runoff/leaching from natural deposits.	94 - 320	203	180 - 310	272	120 - 500	269	
Specific Conductance (E.C.)	2017 - 2023	umhos/cm	n/a	1600	Substances that form ions when in water; seawater influence.	90 - 500	267	270 - 530	384	180 - 740	384	
Chloride	2016 - 2023	PPM	n/a	500	Runoff/leaching from natural deposits; seawater influence.	1.9 - 23	9	18 - 41	29	7.4 - 47	24	
Sulfate	2016 - 2023	PPM	n/a	500	Runoff/leaching from natural deposits; industrial wastes.	2.4 - 24	10.1	3.9 - 20	11.6	3 - 39.1	16.8	
OTHER CONSTITUENTS ANALYZED												
pН	2016 - 2023	UNITS	n/a	MO		6.9 - 9	7.8	7.4 - 8	7.6	7.2 - 8.1	7.7	
7 Total Hardness (as CaCO3)	2016 - 2023	PPM	n/a	MO	Due to chemicals naturally occuring in the soil below the earth's surface.	33 - 200	108	71 - 180	129	74 - 330	161	
8 Total Hardness (as CaCO3)	2016 - 2023	GRAINS	n/a	MO	Due to chemicals naturally occuring in the soil below the earth's surface.	1.9 - 11.7	6	4.2 - 10.5	8	4.3 - 19.3	9.4	
Total Alkalinity (as CaCO3)	2016 - 2023	PPM	n/a	MO	Due to chemicals naturally occuring in the soil below the earth's surface.	43 - 190	107	90 - 160	138	60 - 280	135	
Bicarbonate (as HCO3)	2016 - 2023	PPM	n/a	MO	Due to chemicals naturally occuring in the soil below the earth's surface.	43 - 190	107	110 - 200	150	NA	NA	
Sodium	2016 - 2023	PPM	n/a	MO	Due to chemicals naturally occuring in the soil below the earth's surface.	3.6 - 14	8.8	24 - 28	27	15.2 - 23.8	18.7	
Calcium	2016 - 2023	PPM	n/a	MO	Due to chemicals naturally occuring in the soil below the earth's surface.	5.8 - 41	23.3	14 - 36	24	19 - 78	42	
Magnesium	2016 - 2023	PPM	n/a	MO	Due to chemicals naturally occuring in the soil below the earth's surface.	4.5 - 24	13	8.7 - 21	15.2	10 - 39	20	
LEAD & COPPER (See Note 9)												
	SAMPLE		PHG or	ACTION		NUM	BER OF	90TH 9	% LEVEL	NUI	MBER	

	CONTAMINANT	DATE	UNITS	PHG or (MCLG)	ACTION LEVEL	MAJOR SOURCES IN DRINKING WATER	-	BER OF MPLES		LEVEL		MBER DING AL
		DAIL	UNITO			Internal corrosion of household water plumbing systems; discharges from industrial	SAMI LES			.0120	LAGEL	DING AL
>	Lead	2022	PPB	(0.2)	15	manufactures; erosion of natural deposits.		30	١	1D		0
AF		1				Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from						
	Copper	2022	PPM	(0.3)	1.3	wood preservatives.		30	0.	.29	0	
TE VIE						Internal corrosion of household water plumbing systems; discharges from industrial						
HG/	Lead	2022	PPB	(0.2)	15	manufactures; erosion of natural deposits.		9	١	1D		0
ORT						Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from						
z	Copper	2022	PPM	(0.3)	1.3	wood preservatives.	9		0.16		0	
_	1		000	(0,0)	15	Internal corrosion of household water plumbing systems; discharges from industrial						
S	Lead	2022	PPB	(0.2)	15	manufactures; erosion of natural deposits.	5		ND		0	
S			2214	(0.0)		Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from						
	Copper	2022	PPM	(0.3)	1.3	wood preservatives.		5		041		0
		SAMPLE		PHG or	ACTION		NUM	BER OF	RA	NGE	NUI	MBER
	LEAD Sampling in schools	DATE	UNITS	(MCLG)	LEVEL	MAJOR SOURCES IN DRINKING WATER	SCH	IOOLS	DETE	CTED	EXCEE	DING AL
٨						Internal corrosion of household water plumbing systems; discharges from industrial						
AF	Lead (San Juan Unified School District)	2018	PPB	(0.2)	15	manufactures; erosion of natural deposits.		3	ND	- 5.3		0
UNR	EGULATED CONTAMINANT MONITO	RING RULE (UC	MR 4) - Est	ablished b	y USEPA (Se	ee 10)						
		SAMPLE		MCL	Notification		Arden	Park Vista	Nort	hgate	Southw	est Tract
CONT	AMINANT	DATE	UNITS	(PHG)	Level	MAJOR SOURCES IN DRINKING WATER	RANGE	WTD. AVG.	RANGE	WTD. AVG.	RANGE	WTD. AVG.
	Manganese	2018 - 2023	PPB	50	500	Leaching from natural deposits.	ND ND		ND	ND	ND - 32	8.4
	HAA5	2018 - 2023	PPB	60	n/a	Byproduct of drinking water disinfection.	ND ND		ND	ND	ND - 30	20.8
	HAA6Br	2018 - 2020	PPB	n/a	n/a	Byproduct of drinking water disinfection.	NR NR		NR	NR	ND - 5.6	2.9
	HAA9	2018 - 2020	PPB	n/a	n/a	Byproduct of drinking water disinfection.	NR	NR	NR	NR	ND - 34	23.2

#### NOTES:

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.

8 Most commercial companies use "grain" units. Conversion: 17.1 PPM = 1 grain.

• The levels for Lead & Copper concentrations were obtained from the 90th percentile sampling of thirty (30) homes at the tap for Arden Park Vista (APV), nine (9) for Northgate (NOR) & five (5) for Southwest Tract (SWT). The MCLs for lead and copper are set at "Action Levels" (AL). None of the samples taken to opper on the source of the samples are not as a person of the samples taken of the samples taken of the samples taken to person person person of the samples taken to person p

information on the levels of unregulated contaminants found in SWT's system, please call California American Customer Service at 1-(888) 237-1333.

#### PER- & POLYFLUOROALKYL SUBSTANCES (PFAS) - See # 11

e 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), fluorohexane 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 cher re 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 dwater. 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

PERFLUOROBUTANE SULFONIC ACID (PFBS) PERFLUOROHEPTANOIC ACID (PFHpA) PERFLUOROHEXANE SULFONIC ACID (PFHxS)

HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA) PERFLUOROUNDECANOIC ACID (PFUnA) PERFLUORODECANOIC ACID (PFDA) PERFLUORODODECANOIC ACID (PFDoA) PERFLUOROHEXANOIC ACID (PFHxA) 4,8-DIOXA-3H-PERFLUORONONANOIC ACID (ADONA)

11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID (11CI-PF3OUdS) perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) 1H,1H, 2H, 2H-perfluorodecane sulfonic acid (8:2FTS) perfluoro-3-methoxypropanoic acid (PFMPA) 1H,1H, 2H, 2H-perfluorohexane sulfonic acid (4:2FTS) perfluoro-4-methoxybutanoic acid (PFMBA) 1H.1H. 2H. 2H-perfluorooctane sulfonic acid (6:2FTS) perfluorobutanoic acid (PEBA) 9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI- PF3ONS) perfluoroheptanesulfonic acid (PFHpS) nonafluoro-3,6-dioxaheptanoic acid (NFDHA) perfluoropentanesulfonic acid (PFPeS) perfluoropentanoic acid (PFPeA)

PERFLUORONONANOIC ACID (PFNA)
PERFLUOROOCTYL SULFONIC ACID (PFOS)
PERFLUOROOCTANOIC ACID (PFOA)

	SAMPLE		Notification	Response		Arden Park Vista		Northgate		Southwest Tract	
CONTAMINANT	DATE	UNITS	Level (#13)	Level (#14)	HEALTH EFFECTS LANGUAGE	RANGE	AVERAGE	RANGE	AVERAGE	RANGE	AVERAGE
					Perfluorooctanoic acid exposures resulted in increased liver weight and cancer in laboratory						
Perfluorooctanoic Acid [PFOA] (See #12.)	2019 - 2023	PPT	5.1	10	animals.	ND	ND	ND - 13	ND	ND	ND
					Perfluorooctane sulfonic acid exposures resulted in immune suppression and cancer in laboratory	luorooctane sulfonic acid exposures resulted in immune suppression and cancer in laboratory					
Perfluorooctane Sulfonic Acid [PFOS]	2019 - 2023	PPT	6.5	40	animals.	ND	ND	ND - 8.9	ND	ND	ND
					Perfluorohexane sulfonic acid exposures resulted in decreased total thyroid hormone in male	fluorohexane sulfonic acid exposures resulted in decreased total thyroid hormone in male					
Perfluorohexane Sulfonic Acid [PFHxS]	2019 - 2023	PPT	3.0	20	rats.	ND	ND	ND - 9.7	ND	ND	ND
					Perfluorobutane sulfonic acid exposures resulted in decreased thyroid hormone in pregnant						
Perfluorobutane Sulfonic Acid (PFBS)	2019 - 2023	PPT	500	5000	female mice.	ND	ND	ND - 4,6	ND	ND	ND

#### NOTES:

12 The Northgate 880 small water system's Westgate Well (W16) had levels of PFOA which exceeded the SWRCB's response level (RL) and PFAS & PFHxS exceeded notification levels (NL). Westgate Well (W16) was taken offline in 2022. PFAS analysis results for all other wells in the Northgate water system returned Non Detect.

13 The guidelines adopted by the SWRCB DDW set Notification Levels (NL) of 5.1 parts per trillion (PPT) for PFOS, 3 PPT for PFBS. If the NL is exceeded, the water agency (SCWA) is required to report the results to the Sacramento County Board of Supervisors and to the SWRCB DDW. The water agency is also urged to report this information to the cus

14 The SWRCB DDW established a Response Level (RL) of 10 PPT for PFOA, 40 PPT for PFDS, 20 PPT for PFBxS. 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 that option is available, or provide public notice of the exceedance level

=1 second in 11.5 days

=1 second in nearly 32 years

=1 second in nearly 32,000 years =1 second in nearly 32,000,000 years

#### 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 microgram per liter (µg/L)	or	1 part per billion (PPB)
1 nanogram per liter (ng/L)	or	1 part per trillion (PPT)
1 picogram per liter (pg/L)	or	1 part per quadrillion (PPQ)

100% of the water for the Arden Park Vista and Northgate water systems comes from groundwater wells. Southwest Tract water is supplied by Cal-Am Water. For more detailed information regarding SCWA water quality, please call Aaron Wyley @ (916) 875-5815.

## SACRAMENTO COUNTY WATER AGENCY 2023 WATER QUALITY REPORT - ARDEN PARK VISTA, NORTHGATE & SOUTHWEST TRACT

LEGEND:			·	
ALRegulatory Action Level	NANot Analyzed	NRNot Required	PPB…Parts per Billion (ug/l)	TOCTotal Organic Carbon
MFLMillion Fibers Per Liter	n/a…Not Applicable	NTUNephelometric Turbidity Units	PPM…Parts per Million (mg/l)	TTTreatment Technique
MOMonitored Only	NDNon-Detected	PDWSPrimary Drinking Water Standard	PPTParts per Trillion (ng/l)	WTPWater Treatment Plant
MPNMost Probable Number	NLNotification Level	pCi/LPico Curies per Liter	RLResponse Level	
DEFINITIONS				
Average: The annual average of all tests for a particular s				
Detection Limit for Reporting: The limit at or above which				
		mary MCLs are set as close to the PHGs (or MCLGs) as is economicall	and technologically feasible.	
Secondary MCLs are set to protect the odor, taste, and a		is no known or expected risk to health. MCLGs are set by the U.S. Envi	ronmental Protection Agency	
	e de la constante de la constan	There is convincing evidence that addition of a disinfectant is necessar	<b>0 1</b>	
		h there is no known or expected risk to health. MRDLGs do not reflect t		
of disinfectants to control microbial contaminants.	Ť			
Primary Drinking Water Standards (PDWS): MCLs, MRD	OLs and treatment techniques (TTs) for contaminant	s that affect health, along with their monitoring and reporting requiremen	s.	
Public Health Goal (PHG). The level of a contaminant in c	drinking water below which there is no known or exp	ected risk to health. PHGs are set by the California Environmental Prote	ction Agency.	
Range (Lo - Hi): The range between the lowest and highe				
Regulatory Action Level (AL): The concentration of a con				
Treatment Technique (TT): A required process intended				
		ight. Each sample's contribution (or weight) is based on the amount of v	vater the corresponding water source produces	
for the whole system. Instead of each of the sample re	suits contributing equally to the final average, some	of the results contribute more than others.		
ate Mandated Information for Nitrate, Arsenic & Le	ad:			
Nitrate:	in a landah siala fan infanta of landah an ais man	the of sea . Cuch without lough is defaultion water and interface with		and Marine to a service of the servi
				sulting in a serious illness; symptoms include shortness of breath and re caring for an infant, or you are pregnant, you should ask advice from you
health care provider. Nitrate levels may rise qui				to daring for an intant, or you are program, you broad able advice norm you
Arsenic:		<b>,</b>		
	state standard for arsenic, it does contain low	levels of arsenic. The arsenic standard balances the current up	derstanding of arsenic's possible health effects agains	t the costs of removing arsenic from drinking water. The U.S. Environmenta
		nineral known to cause cancer in humans at high concentrations		
Lead:				
	ious health problems, especially for pregnant v	vomen and young children. Lead in drinking water is primarily fro	om materials and components associated with service	lines and home plumbing. The Sacramento County Water Agency is
• • •		, , , ,	•	lead exposure by flushing your tap for 30 seconds to 2 minutes before usi
			are concerned about lead in your water, you may wis	to have your water tested. Information on lead in drinking water, testing
methods, and steps you can take to minimize ex	posure is available from the Safe Drinking Wa	ter Hotline or at http://www.epa.gov/lead.		
DURCE WATER ASSESSMENT				
To help protect the quality of existing and future grou report in May 2019. The Water Agency's report iden			g the vulnerability of drinking water sources to potenti	al contamination. The Water Agency completed its latest comprehensive
Arden Park Vista & Northgate:				
Most vulnerable to commercial types of activities	s such as the dry cleaning business, gas statio	ns, a sewer collection system and a leaking underground storage	e tank, electronic manufacturers and photo processors	i.
Central & South Service Area (CSA & SSA)				
Most vulnerabe to activities including automobile	e-gas stations; boat services/ repair/ refinishing	; chemical/ petroleum pipelines; dry cleaners; fleet/ truck/ bus te	rminal; 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