

SNWS-Alfred Merritt Smith Water Treatment Plant(AMSWTP)
2025 WATER QUALITY SUMMARY

SUBSTANCE	Average Value	MCL	UNITS		SUBSTANCE	Average Value	MCL	UNITS
ALKALINITY, as HCO ₃	136	N/A	ppm		1,2,4-TRICHLOROBENZENE	<0.5	70	ppb
ALPHA EMITTERS	<3	15	pCi/L		1,1,1-TRICHLOROETHANE	<0.5	200	ppb
ALUMINUM	<5.0	200	ppb	(1)	1,1,2-TRICHLOROETHANE	<0.5	5	ppb
ANTIMONY	<0.4	6	ppb		1,1-DICHLOROETHYLENE	<0.5	7	ppb
ARSENIC	1.6	10	ppb		1,2 DICHLOROPROPANE	<0.5	5	ppb
BARIUM	0.1	2	ppm		1,2 -DICHLOROBENZENE	<0.5	600	ppb
BERYLLIUM	<0.4	4	ppb		1,2-DICHLOROETHANE	<0.5	5	ppb
BROMATE	3.4	10	ppb		1,4 -DICHLOROBENZENE	<0.5	75	ppb
BROMIDE	<20	N/A	ppb		2,3,7,8-TCDD (DIOXIN)	<0.005	0.03	ppt
CADMIUM	<0.5	5	ppb		2,4-D	<0.1	70	ppb
CALCIUM	77	N/A	ppm		ALACHLOR	<0.1	2	ppb
CHLORIDE	97	400	ppm	(1)	ATRAZINE	<0.1	3	ppb
CHLORINE RESIDUAL	1.3	4.0	ppm	(2)	BENZENE	<0.5	5	ppb
CHROMIUM	<3.0	100	ppb		CARBOFURAN	<0.5	40	ppb
COLIFORM, TOTAL	0	≤ 1	number samples positive per month		CARBON TETRACHLORIDE	<0.5	5	ppb
COLOR, TRUE	1	15	PCU	(1)	CHLORDANE	<0.1	2	ppb
CONDUCTIVITY	980	N/A	μS/cm		CHLOROBENZENE	<0.5	100	ppb
COPPER	<0.005	1.0	ppm	(1)	cis-1,2-DICHLOROETHYLENE	<0.5	70	ppb
CYANIDE	<25	200	ppb		DALAPON	<1	200	ppb
FLUORIDE ⁽³⁾	0.69	4.0	ppm		DI (2-ETHYLHEXYL) ADIPATE	<0.6	400	ppb
		2	ppm	(1)	DI (2-ETHYLHEXYL) PHTHALATE	<0.6	6	ppb
HALOACETIC ACIDS (Total Regulated)	12	60	ppb		DIBROMOCHLOROPROPANE	<0.02	0.2	ppb
HARDNESS	291	N/A	ppm		DICHLOROMETHANE	<0.5	5	ppb
	17		gpg		DINOSEB	<0.2	7	ppb
IRON	<50	600	ppb	(1)	DIQUAT	<0.4	20	ppb
LEAD	<0.3	N/A	ppb		ENDOTHALL	<5	100	ppb
MAGNESIUM	24.3	150	ppm	(1)	ENDRIN	<0.01	2	ppb
MANGANESE	<5.0	100	ppb	(1)	ETHYLBENZENE	<0.5	700	ppb
MBAS	<100	500	ppb	(1)	ETHYLENE DIBROMIDE	<0.01	0.05	ppb
MERCURY	<0.2	2	ppb		GLYPHOSATE	<6	700	ppb
MOLYBDENUM	<5.0	N/A	ppb		HEPTACHLOR EPOXIDE	<0.01	0.2	ppb
NICKEL	<5.0	N/A	ppb		HEPTACHLOR (H-34, HEPTOX)	<0.01	0.4	ppb
NITRATE (as NITROGEN)	0.57	10	ppm		HEXACHLOROBENZENE	<0.1	1	ppb
NITRITE (as NITROGEN)	<0.02	1	ppm		HEXACHLOROCYCLOPENTADIENE	<0.1	50	ppb
ODOR	1	3	TON	(1)	LINDANE	<0.01	0.2	ppb
ORTHO PHOSPHATE (as PO4)	81	N/A	ppb		METHOXYCHLOR	<0.1	40	ppb
PERCHLORATE	0.76	N/A	ppb		MTBE	<0.5	N/A	ppb
pH	7.6	6.5 - 8.5	pH units	(1)	OXAMYL (VYDATE)	<0.5	200	ppb
POTASSIUM	5.2	N/A	ppm		PAHs (benzo(a)pyrene)	<0.02	0.2	ppb
RADIUM 226 AND RADIUM 228 (Combined)	<1.0	5	pCi/L		PENTACHLOROPHENOL	<0.04	1	ppb
SATURATION INDEX	0.08	N/A	N/A		PICLORAM	<0.1	500	ppb
SELENIUM	2.3	50	ppb		POLYCHLORINATED BIPHENYLS	<0.1	0.5	ppb
SILICA	7.9	N/A	ppm		SILVEX (2,4,5 - TP)	<0.2	50	ppb
SILVER	<5.0	100	ppb	(1)	SIMAZINE	<0.1	4	ppb
SODIUM	87	N/A	ppm	(4)	STYRENE	<0.5	100	ppb
SULFATE	219	500	ppm	(1)	TETRACHLOROETHYLENE	<0.5	5	ppb
TEMPERATURE	15	N/A	deg C		TOLUENE	<0.5	1000	ppb
THALLIUM	<0.2	2	ppb		TOXAPHENE	<0.5	3	ppb
TOTAL DISSOLVED SOLIDS	600	1000	ppm	(1)	trans-1,2 DICHLOROETHYLENE	<0.5	100	ppb
TOTAL ORGANIC CARBON	2.7	N/A	ppm		TRICHLOROETHYLENE	<0.5	5	ppb
TRIHALOMETHANES (Total)	19	80	ppb		VINYL CHLORIDE	<0.5	2	ppb
TURBIDITY (maximum value)	0.08	0.3	NTU	(5)	XYLENES	<0.5	10,000	ppb
URANIUM	3.9	30	ppb					
VANADIUM	<5.0	N/A	ppb					
ZINC	0.06	5	ppm	(1)				

- (1) State of Nevada Secondary Standard
- (2) MRDL
- (3) Fluoridation Started March 2000
- (4) Monitoring requirement only, no MCL
- (5) Treatment technique requirement

MCL - Maximum Contaminant Level Set by EPA
MFL - Million Fibers per Liter, with fiber length > 10 microns
N/A - Not applicable, No Standard Set
NTU - Nephelometric Turbidity Unit
pCi/L - picocuries per liter
ppb - parts per billion
ppm - parts per million
ppt - parts per trillion
μS/cm - Micro Siemens per centimeter
PCU - Platinum Cobalt Units
gpg - grains per gallon
TON - threshold odor number
MRDL - Maximum Residual Disinfectant Level
"<" - less than