

**SNWS-Alfred Merritt Smith Water Treatment Plant(AMSWTP)
2012 WATER QUALITY SUMMARY**

SUBSTANCE	Average Value	MCL	UNITS		SUBSTANCE	Average Value	MCL	UNITS
ALKALINITY	129	N/A	ppm		(1,2,4-)TRICHLOROBENZENE	<0.5	70	ppb
ALPHA PARTICLES	<3	15	pCi/L		1,1,1-TRICHLOROETHANE	<0.5	200	ppb
ALUMINUM	<5	200	ppb	(1)	1,1,2-TRICHLOROETHANE	<0.5	5	ppb
ANTIMONY	<0.6	6	ppb		1,1-DICHLOROETHYLENE	<0.5	7	ppb
ARSENIC	2	10	ppb		1,2 DICHLOROPROPANE	<0.5	5	ppb
ASBESTOS	<0.2	7	MFL		1,2 -DICHLOROBENZENE	<0.5	600	ppb
BARIUM	0.1	2	ppm		1,2-DICHLOROETHANE	<0.5	5	ppb
BERYLLIUM	<0.4	4	ppb		1,4 -DICHLOROBENZENE	<0.5	75	ppb
BETA PARTICLES AND PHOTON EMITTERS	3.5	50	pCi/L		2,3,7,8-TCDD (DIOXIN)	<0.005	0.03	ppt
BROMATE	6	10	ppb		2,4-D	<0.1	70	ppb
BROMIDE	<20	N/A	ppb		ALACHLOR	<0.1	2	ppb
CADMIUM	<0.5	5	ppb		ALDICARB	<0.5	3	ppb (8)
CALCIUM	75	N/A	ppm		ALDICARB SULFONE	<0.5	2	ppb (8)
CHLORIDE	87	400	ppm	(1)	ALDICARB SULFOXIDE	<0.5	4	ppb (8)
CHLORINE RESIDUAL	1.4	4.0	ppm	(2)	ATRAZINE	<0.05	3	ppb
CHROMIUM	<3	100	ppb		BENZENE	<0.5	5	ppb
COLIFORM, TOTAL	0	≤ 1	number samples positive per month		CARBOFURAN	<0.5	40	ppb
COLOR, True	1	15	PCU	(1)	CARBON TETRACHLORIDE	<0.5	5	ppb
CONDUCTIVITY	941	N/A	μS/cm		CHLORDANE	<0.1	2	ppb
COPPER	0.8	(3) 1.3	(4) ppm		CHLOROBENZENE	<0.5	100	ppb
		1.0	ppm	(1)	cis-1,2-DICHLOROETHYLENE	<0.5	70	ppb
CYANIDE	<25	200	ppb		DALAPON	<1	200	ppb
FLUORIDE (5)	0.7	4.0	ppm		DI (2-ETHYLHEXYL) ADIPATE	<0.6	400	ppb
		2.0	ppm	(1)	DI (2-ETHYLHEXYL) PHTHALATE	<0.6	6	ppb
HALOACETIC ACIDS (Total Regulated)	25	60	ppb		DIBROMOCHLOROPROPANE	<0.01	0.2	ppb
HARDNESS	289	N/A	ppm		DICHLOROMETHANE	<0.5	5	ppb
	16.9		gpg		DINOSEB	<0.2	7	ppb
IRON	<100	600	ppb	(1)	DIQUAT	<0.4	20	ppb
LEAD	4	(3) 15	(4) ppb		ENDOTHALL	<5	100	ppb
MAGNESIUM	25	150	ppm	(1)	ENDRIN	<0.01	2	ppb
MANGANESE	<5	100	ppb	(1)	ETHYLBENZENE	<0.5	700	ppb
MBAS	<50	500	ppb	(1)	ETHYLENE DIBROMIDE	<0.01	0.05	ppb
MERCURY	<0.2	2	ppb		GLYPHOSATE	<6	700	ppb
MOLYBDENUM	<5	N/A	ppb		HEPTACHLOR EPOXIDE	<0.01	0.2	ppb
NICKEL	<5	N/A	ppb		HEPTACHLOR (H-34, HEPTOX)	<0.01	0.4	ppb
NITRATE (as NITROGEN)	0.6	10	ppm		HEXACHLOROBENZENE	<0.05	1	ppb
NITRITE (as NITROGEN)	<0.02	1	ppm		HEXACHLOROCYCLOPENTADIENE	<0.05	50	ppb
ODOR	1	3	TON	(1)	LINDANE	<0.01	0.2	ppb
ORTHO PHOSPHATE	23	N/A	ppb		METHOXYCHLOR	<0.05	40	ppb
PERCHLORATE	1.3	N/A	ppb		MTBE	<0.5	N/A	ppb
pH	7.8	6.5 - 8.5	pH units	(1)	OXAMYL (VYDATE)	<0.5	200	ppb
POTASSIUM	5	N/A	ppm		PAHs (benzo(a)pyrene)	<0.02	0.2	ppb
RADIUM 226 AND RADIUM 228 (Combined)	<1	5	pCi/L		PENTACHLOROPHENOL	<0.04	1	ppb
SATURATION INDEX	0.18	N/A	N/A		PICLORAM	<0.1	500	ppb
SELENIUM	2	50	ppb		POLYCHLORINATED BIPHENYLS	<0.1	0.5	ppb
SILICA, REACTIVE	8	N/A	ppm		SILVEX (2,4,5 - TP)	<0.2	50	ppb
SILVER	<5	100	ppb	(1)	SIMAZINE	<0.05	4	ppb
SODIUM	86	N/A	ppm	(6)	STYRENE	<0.5	100	ppb
SULFATE	219	500	ppm	(1)	TETRACHLOROETHYLENE	<0.5	5	ppb
TEMPERATURE	15.4	N/A	deg C		TOLUENE	<0.5	1000	ppb
THALLIUM	<0.2	2	ppb		TOXAPHENE	<0.5	3	ppb
TOTAL DISSOLVED SOLIDS	594	1000	ppm	(1)	trans-1,2 DICHLOROETHYLENE	<0.5	100	ppb
TOTAL ORGANIC CARBON	2.5	N/A	ppm		TRICHLOROETHYLENE	<0.5	5	ppb
TRIHALOMETHANES (Total)	59	80	ppb		VINYL CHLORIDE	<0.5	2	ppb
TURBIDITY (maximum value)	0.07	0.3	NTU	(7)	XYLENES	<1	10,000	ppb
URANIUM	4	30	ppb					
VANADIUM	<5	N/A	ppb					
ZINC	0.1	5.0	ppm	(1)				

- (1) State of Nevada Secondary Standard
- (2) MRDL
- (3) 90th Percentile value of all samples collected
- (4) Action Level only

- (5) Fluoridation Started March 2000
- (6) Monitoring requirement only, no MCL
- (7) Treatment technique requirement
- (8) MCL not in effect

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
Action Level - 90 percent of sample results must be less than this level
"<" - less than