

SNWS-Alfred Merritt Smith Water Treatment Plant(AMSWTP)

2009 WATER QUALITY SUMMARY

SUBSTANCE	Average Value	MCL	UNITS		SUBSTANCE	Average Value	MCL	UNITS
AGGRESSIVENESS INDEX	12.2	N/A			(1,2,4-)TRICHLOROENZENE	ND	70	ppb
ALKALINITY	134	N/A	ppm		1,1,1-TRICHLOROETHANE	ND	200	ppb
ALPHA PARTICLES	ND	15	pCi/L		1,1,2-TRICHLOROETHANE	ND	5	ppb
ALUMINUM	ND	200	ppb	(1)	1,1-DICHLOROETHYLENE	ND	7	ppb
ANTIMONY	ND	6	ppb		1,2 DICHLOROPROPANE	ND	5	ppb
ARSENIC	1.7	10	ppb		1,2-DICHLOROENZENE	ND	600	ppb
ASBESTOS	ND	7.0	MFL		1,2-DICHLOROETHANE	ND	5	ppb
BARIUM	0.14	2	ppm		1,4-DICHLOROENZENE	ND	75	ppb
BERYLLIUM	ND	4	ppb		2,3,7,8-TCDD (DIOXIN)	ND	0.00003	ppb
BETA PARTICLES AND PHOTON EMITTERS	3.6	50	pCi/L		2,4-D	ND	70	ppb
BROMATE	8.5	10	ppb		ALACHLOR	ND	2	ppb
BROMIDE	ND	N/A			ALDICARB	ND	3	ppb (8)
CADMIUM	ND	5	ppb		ALDICARB SULFONE	ND	2	ppb (8)
CALCIUM	79	N/A	ppm		ALDICARB SULFOXIDE	ND	4	ppb (8)
CARBON DIOXIDE	4.0	N/A	ppm		ATRAZINE	ND	3	ppb
CHLORIDE	93	400	ppm	(1)	BENZENE	ND	5	ppb
CHLORINE RESIDUAL	1.38	4.0	ppm	(2)	CARBOFURAN	ND	40	ppb
CHROMIUM	ND	100	ppb		CARBON TETRACHLORIDE	ND	5	ppb
COLIFORM, TOTAL	<1	≤ 1	per month		CHLORDANE	ND	2	ppb
COLOR, True	1.5	15	PCU	(1)	cis-1,2-DICHLOROETHYLENE	ND	70	ppb
CONDUCTIVITY	1029	N/A	μS/cm		DALAPON	ND	200	ppb
COPPER	0.66	(3) 1.3	(4) ppm		DI (2-ETHYLHEXYL) ADIPATE	ND	400	ppb
<i>CRYPTOSPORIDIUM</i>	ND	N/A			DI (2-ETHYLHEXYL) PHTHALATE	ND	6	ppb
CYANIDE	ND	200	ppb		DIBROMOCHLOROPROPANE	ND	0.2	ppb
FLUORIDE (5)	0.80	4.0	ppm		DICHLOROMETHANE	ND	5	ppb
<i>GIARDIA</i>	ND	N/A			DINOSEB	ND	7	ppb
HALOACETIC ACIDS (Total Regulated)	17	60	ppb		DIQUAT	ND	20	ppb
HARDNESS	312	N/A	ppm		ENDOTHALL	ND	100	ppb
IRON	ND	600	ppb	(1)	ENDRIN	ND	2	ppb
LANGELIER INDEX	0.069	N/A		(6)	ETHYLENZENE	ND	700	ppb
LEAD	0.9	(3) 15	(4) ppb		ETHYLENE DIBROMIDE	ND	0.05	ppb
MAGNESIUM	28	150	ppm	(1)	GLYPHOSATE	ND	700	ppb
MANGANESE	ND	100	ppb	(1)	HEPTACHLOR EPOXIDE	ND	0.2	ppb
MBAS	ND	500	ppb	(1)	HEPTACHLOR (H-34, HEPTOX)	ND	0.4	ppb
MERCURY	ND	2.0	ppb		HEXACHLOROENZENE	ND	1	ppb
MOLYBDENUM	5.6	N/A	ppb		HEXACHLOROCYCLOPENTADIENE	ND	50	ppb
NICKEL	ND	N/A			LINDANE	ND	0.2	ppb
NITRATE (as NITROGEN)	0.61	10	ppm		METHOXYCHLOR	ND	40	ppb
NITRITE (as NITROGEN)	ND	1	ppm		MONOCHLOROENZENE	ND	100	ppb
ODOR	1	3	TON	(1)	MTBE	ND	N/A	ppb
ORTHO PHOSPHATE	50	N/A	ppb		PAHs (benzo(a)pyrene)	ND	0.2	ppb
PERCHLORATE	2.4	N/A	ppb		PENTACHLOROPHENOL	ND	1	ppb
pH	7.73	6.5 - 8.5	pH units	(1)	PICLORAM	ND	500	ppb
POTASSIUM	5.9	N/A	ppm		POLYCHLORINATED BIPHENYLS	ND	0.5	ppb
RADIUM 226 AND RADIUM 228 (Combined)	1.2	5	pCi/L		SILVEX (2,4,5 - TP)	ND	50	ppb
SELENIUM	2.8	50	ppb		SIMAZINE	ND	4	ppb
SILICA	7.7	N/A	ppm		STYRENE	ND	100	ppb
SILVER	ND	100	ppb	(1)	TETRACHLOROETHYLENE	ND	5	ppb
SODIUM	96	N/A	ppm	(6)	TOLUENE	ND	1	ppm
SULFATE	241	500	ppm	(1)	TOXAPHENE	ND	3	ppb
TEMPERATURE	15.3	N/A	deg C		trans-1,2 DICHLOROETHYLENE	ND	100	ppb
THALLIUM	ND	2.0	ppb		TRICHLOROETHYLENE	ND	5	ppb
TOTAL DISSOLVED SOLIDS	635	1000	ppm	(1)	VINYL CHLORIDE	ND	2	ppb
TOTAL ORGANIC CARBON	2.47	N/A	ppm		VYDATE	ND	200	ppb
TRICHALOMETHANES (Total)	49	80	ppb		XYLENES	ND	10	ppm
TURBIDITY (maximum value)	0.13	0.3	NTU	(7)				
URANIUM	5.0	30	ppb					
VANADIUM	ND	N/A						
ZINC	0.14	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
ND = Not Detected, less than laboratory's analytical method reporting limit
NTU = Nephelometric Turbidity Unit
pCi/L = picocuries per liter
ppb = parts per billion
ppm = parts per million
μS/cm = Micro Siemens per centimeter
PCU = Platinum Cobalt Units
gpg = grains per gallon
TON = threshold odor number
MRDL = Maximum Residual Disinfectant Level