

SNWS-Alfred Merritt Smith Water Treatment Plant(AMSWTP)

2008 WATER QUALITY SUMMARY

SUBSTANCE	Average Value	MCL	UNITS		SUBSTANCE	Average Value	MCL	UNITS
AGGRESSIVENESS INDEX	12.1	N/A			(1,2,4-)TRICHLOROBENZENE	ND	70	ppb
ALKALINITY	133	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	1.3	10	ppb		1,2-DICHLOROBENZENE	ND	600	ppb
ASBESTOS	ND	7.0	MFL		1,2-DICHLOROETHANE	ND	5	ppb
BARIUM	0.12	2	ppm		1,4-DICHLOROETHANE	ND	75	ppb
BERYLLIUM	ND	4	ppb		2,3,7,8-TCDD (DIOXIN)	ND	0.00003	ppb
BETA PARTICLES AND PHOTON EMITTERS	ND	50	pCi/L		2,4-D	ND	70	ppb
BROMATE	8.7	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	74	N/A	ppm		ALDICARB SULFOXIDE	ND	4	ppb (8)
CARBON DIOXIDE	4.43	N/A	ppm		ATRAZINE	ND	3	ppb
CHLORIDE	94	400	ppm	(1)	BENZENE	ND	5	ppb
CHLORINE RESIDUAL	1.33	4.0	ppm	(2)	CARBOFURAN	ND	40	ppb
CHROMIUM	ND	100	ppb		CARBON TETRACHLORIDE	ND	5	ppb
COLIFORM, FECAL	ND	0	per 100 mL		CHLORDANE	ND	2	ppb
COLIFORM, TOTAL	0	≤ 1	per month		cis-1,2-DICHLOROETHYLENE	ND	70	ppb
	positive	positive			DALAPON	ND	200	ppb
COLOR, True	0.62	15	PCU	(1)	DI (2-ETHYLHEXYL) ADIPATE	ND	400	ppb
CONDUCTIVITY	1034	N/A	µS/cm		DI (2-ETHYLHEXYL) PHTHALATE	ND	6	ppb
COPPER	0.76	(3) 1.3	ppm	(4)	DIBROMOCHLOROPROPANE	ND	0.2	ppb
		1.0	ppm	(1)	DICHLOROMETHANE	ND	5	ppb
<i>CRYPTOSPORIDIUM</i>	ND	N/A			DINOSEB	ND	7	ppb
CYANIDE	ND	200	ppb		DIQUAT	ND	20	ppb
FLUORIDE (5)	0.81	4.0	ppm		ENDOTHALL	ND	100	ppb
		2.0	ppm	(1)	ENDRIN	ND	2	ppb
<i>GIARDIA</i>	ND	N/A			ETHYLBENZENE	ND	700	ppb
HALOACETIC ACIDS (Total Regulated)	19.5	60	ppb		ETHYLENE DIBROMIDE	ND	0.05	ppb
HARDNESS	295	N/A	ppm		GLYPHOSATE	ND	700	ppb
	17.2		gpg		HEPTACHLOR EPOXIDE	ND	0.2	ppb
IRON	ND	600	ppb	(1)	HEPTACHLOR (H-34, HEPTOX)	ND	0.4	ppb
LANGELIER INDEX	-0.050	N/A		(6)	HEXACHLOROBENZENE	ND	1	ppb
LEAD	6.2	(3) 15	ppb	(4)	HEXACHLOROCYCLOPENTADIENE	ND	50	ppb
MAGNESIUM	27.2	150	ppm	(1)	LINDANE	ND	0.2	ppb
MANGANESE	ND	100	ppb	(1)	METHOXYCHLOR	ND	40	ppb
MBAS	ND	500	ppb	(1)	MONOCHLOROBENZENE	ND	100	ppb
MERCURY	0.2	2.0	ppb		MTBE	ND	N/A	ppb
MOLYBDENUM	5.5	N/A	ppb		PAHs (benzo(a)pyrene)	ND	0.2	ppb
NICKEL	ND	N/A			PENTACHLOROPHENOL	ND	1	ppb
NITRATE (as NITROGEN)	0.56	10	ppm		PICLORAM	ND	500	ppb
NITRITE (as NITROGEN)	ND	1	ppm		POLYCHLORINATED BIPHENYLS	ND	0.5	ppb
ODOR	1	3	TON	(1)	SILVEX (2,4,5 - TP)	ND	50	ppb
ORTHO PHOSPHATE	48	N/A	ppb		SIMAZINE	ND	4	ppb
PERCHLORATE	2.8	N/A	ppb		STYRENE	ND	100	ppb
pH	7.68	6.5 - 8.5	pH units	(1)	TETRACHLOROETHYLENE	ND	5	ppb
POTASSIUM	5.8	N/A	ppm		TOLUENE	ND	1	ppm
RADIUM 226 AND RADIUM 228 (Combined)	ND	5	pCi/L		TOXAPHENE	ND	3	ppb
SELENIUM	2.6	50	ppb		trans-1,2 DICHLOROETHYLENE	ND	100	ppb
SILICA	7.7	N/A	ppm		TRICHLOROETHYLENE	ND	5	ppb
SILVER	ND	100	ppb	(1)	VINYL CHLORIDE	ND	2	ppb
SODIUM	94	N/A	ppm	(6)	VYDATE	ND	200	ppb
SULFATE	252	500	ppm	(1)	XYLENES	ND	10	ppm
TEMPERATURE	14.6	N/A	deg C					
THALLIUM	ND	2.0	ppb					
TOTAL DISSOLVED SOLIDS	650	1000	ppm	(1)				
TOTAL ORGANIC CARBON	2.41	N/A	ppm					
TRIHALOMETHANES (Total)	55	80	ppb					
TURBIDITY (maximum value)	0.08	0.3	NTU	(7)				
URANIUM	4.8	30	ppb					
VANADIUM	ND	N/A						
ZINC	0.09	5.0	ppm	(1)				

(1) State of Nevada Secondary Standard

(5) Fluoridation Started March 2000

(2) MRDL

(6) Monitoring requirement only, no MCL

(3) 90th Percentile value of all samples collected

(7) Treatment technique requirement

(4) Action Level only

(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