

SNWS-River Mountains Smith Water Treatment Plant(RMWT)

2009 WATER QUALITY SUMMARY

SUBSTANCE	Average Value	MCL	UNITS	SUBSTANCE	Average Value	MCL	UNITS
AGGRESSIVENESS INDEX	12.3	N/A		(1,2,4)-TRICHLOROBENZENE	ND	70	ppb
ALKALINITY	136	N/A		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-DICHLOROETHYLENE	ND	7	ppb
ANTIMONY	ND	6	ppb	1,2 DICHLOROPROPANE	ND	5	ppb
ARSENIC	2.1	10	ppb	1,2 -DICHLOROBENZENE	ND	600	ppb
ASBESTOS	ND	7.0	MFL	1,2-DICHLOROETHANE	ND	5	ppb
BARIUM	0.14	2	ppm	1,4 -DICHLOROBENZENE	ND	75	ppb
BERYLLIUM	ND	4	ppb	2,3,7,8-TCDD (DIOXIN)	ND	0.00003	ppb
BETA PARTICLES AND PHOTON EMITTERS	3.5	50	pCi/L	2,4-D	ND	70	ppb
BROMATE	4.2	10	ppb	ALACHLOR	ND	2	ppb
BROMIDE	ND	N/A		ALDICARB	ND	3	ppb
CADMIUM	ND	5	ppb	ALDICARB SULFONE	ND	2	ppb
CALCIUM	80	N/A	ppm	ALDICARB SULFOXIDE	ND	4	ppb
CARBON DIOXIDE	3.07	N/A	ppm	ATRAZINE	ND	3	ppb
CHLORIDE	101	400	ppm	BENZENE	ND	5	ppb
CHLORINE RESIDUAL	1.38	4.0	ppm	CARBOFURAN	ND	40	ppb
CHROMIUM	ND	100	ppb	CARBON TETRACHLORIDE	ND	5	ppb
COLIFORM, TOTAL	<1	≤ 1	per month	CHLORDANE	ND	2	ppb
	positive	positive		cis-1,2-DICHLOROETHYLENE	ND	70	ppb
COLOR, True	1.3	15	PCU	DALAPON	ND	200	ppb
CONDUCTIVITY	1061	N/A	µS/cm	DI (2-ETHYLHEXYL) ADIPATE	ND	400	ppb
COPPER	0.66	1.3	ppm	DI (2-ETHYLHEXYL) PHTHALATE	ND	6	ppb
	(3)	1.0	ppm	DIBROMOCHLOROPROPANE	ND	0.2	ppb
		1.0	ppm	DICHLOROMETHANE	ND	5	ppb
<i>CRYPTOSPORIDIUM</i>	ND	N/A		DINOSEB	ND	7	ppb
CYANIDE	ND	200	ppb	DIQUAT	ND	20	ppb
FLUORIDE (5)	0.80	4.0	ppm	ENDOTHALL	ND	100	ppb
		2.0	ppm	ENDRIN	ND	2	ppb
<i>GIARDIA</i>	ND	N/A		ETHYLENIBENZENE	ND	700	ppb
HALOACETIC ACIDS (Total Regulated)	17	60	ppb	ETHYLENE DIBROMIDE	ND	0.05	ppb
HARDNESS	313	N/A	ppm	GLYPHOSATE	ND	700	ppb
	18.3		gpg	HEPTACHLOR EPOXIDE	ND	0.2	ppb
IRON	ND	600	ppb	HEPTACHLOR (H-34, HEPTOX)	ND	0.4	ppb
LANGELIER INDEX	0.22	N/A		HEXACHLOROBENZENE	ND	1	ppb
LEAD	0.9	15	ppb	HEXACHLOROCHLOROCYCLOPENTADIENE	ND	50	ppb
MAGNESIUM	28	150	ppm	LINDANE	ND	0.2	ppb
MANGANESE	ND	100	ppb	METHOXYCHLOR	ND	40	ppb
MBAS	ND	500	ppb	MONOCHLOROBENZENE	ND	100	ppb
MERCURY	ND	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)	0.66	10	ppm	PICLORAM	ND	500	ppb
NITRITE (as NITROGEN)	ND	1	ppm	POLYCHLORINATED BIPHENYLS	ND	0.5	ppb
ODOR	1	3	TON	SILVEX (2,4,5 - TP)	ND	50	ppb
ORTHO PHOSPHATE	69	N/A	ppb	SIMAZINE	ND	4	ppb
PERCHLORATE	2.7	N/A	ppb	STYRENE	ND	100	ppb
pH	7.86	6.5 - 8.5	pH units	TETRACHLOROETHYLENE	ND	5	ppb
POTASSIUM	6.0	N/A	ppm	TOLUENE	ND	1	ppm
RADIUM 226 AND RADIUM 228 (Combined)	1.7	5	pCi/L	TOXAPHENE	ND	3	ppb
SELENIUM	2.9	50	ppb	trans-1,2 DICHLOROETHYLENE	ND	100	ppb
SILICA	7.8	N/A	ppm	TRICHLOROETHYLENE	ND	5	ppb
SILVER	ND	100	ppb	VINYL CHLORIDE	ND	2	ppb
SODIUM	102	N/A	ppm	VYDATE	ND	200	ppb
SULFATE	247	500	ppm	XYLENES	ND	10	ppm
TEMPERATURE	16.1	N/A	deg C				
THALLIUM	ND	2.0	ppb				
TOTAL DISSOLVED SOLIDS	653	1000	ppm				
TOTAL ORGANIC CARBON	2.45	N/A	ppm				
TRICHLOROMETHANES (Total)	49	80	ppb				
TURBIDITY (maximum value)	0.05	0.3	NTU				
URANIUM	5.1	30	ppb				
VANADIUM	ND	N/A					
ZINC	0.19	5.0	ppm				

- (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