

SNWS-River Mountains Water Treatment Plant (RMWTP)

2010 WATER QUALITY SUMMARY

SUBSTANCE	Average Value	MCL	UNITS		SUBSTANCE	Average Value	MCL	UNITS
AGGRESSIVENESS INDEX	12.3	N/A			(1,2,4)-TRICHLORO BENZENE	ND	70	ppb
ALKALINITY	136	N/A	ppm		1,1,1-TRICHLOROETHANE	ND	200	ppb
ALPHA PARTICLES	9.6	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	1.9	10	ppb		1,2-DICHLORO BENZENE	ND	600	ppb
ASBESTOS	ND	7	MFL		1,2-DICHLOROETHANE	ND	5	ppb
BARIUM	0.1	2	ppm		1,4 DICHLORO BENZENE	ND	75	ppb
BERYLLIUM	ND	4	ppb		2,3,7,8-TCDD (DIOXIN)	ND	0.03	ppt
BETA PARTICLES AND PHOTON EMITTERS	4.9	50	pCi/L		2,4-D	ND	70	ppb
BROMATE	3.8	10	ppb		ALACHLOR	ND	2	ppb
BROMIDE	ND	N/A	ppb		ALDICARB	ND	3	ppb (8)
CADMIUM	ND	5	ppb		ALDICARB SULFONE	ND	2	ppb (8)
CALCIUM	77	N/A	ppm		ALDICARB SULFOXIDE	ND	4	ppb (8)
CARBON DIOXIDE	3.0	N/A	ppm		ATRAZINE	ND	3	ppb
CHLORIDE	99	400	ppm	(1)	BENZENE	ND	5	ppb
CHLORINE RESIDUAL	1.4	4.0 (2)	ppm		CARBOFURAN	ND	40	ppb
CHROMIUM	ND	100	ppb		CARBON TETRACHLORIDE	ND	5	ppb
COLIFORM, TOTAL	<1	≤ 1	number positive per month		CHLORDANE	ND	2	ppb
COLOR, True	1.4	15	PCU	(1)	CHLORO BENZENE	ND	100	ppb
CONDUCTIVITY	1023	N/A	µS/cm		cis-1,2-DICHLOROETHYLENE	ND	70	ppb
COPPER	0.8 (3)	1.3 (4)	ppm	(1)	DALAPON	ND	200	ppb
<i>CRYPTOSPORIDIUM</i>	ND	N/A	ppm	(1)	DI (2-ETHYLHEXYL) ADIPATE	ND	400	ppb
CYANIDE	ND	200	ppb		DI (2-ETHYLHEXYL) PHTHALATE	ND	6	ppb
FLUORIDE (5)	0.8	4.0	ppm		DIBROMOCHLOROPROPANE	ND	0.2	ppb
<i>GIARDIA</i>	ND	N/A	ppm	(1)	DICHLOROMETHANE	ND	5	ppb
HALOACETIC ACIDS (Total Regulated)	23	60	ppb		DINOSB	ND	7	ppb
HARDNESS	300	N/A	ppm		DQUAT	ND	20	ppb
IRON	17.5		ppm		ENDOTHALL	ND	100	ppb
LEAD	4 (3)	15 (4)	ppb	(1)	ENDRIN	ND	2	ppb
MAGNESIUM	26	150	ppm	(1)	ETHYLBENZENE	ND	700	ppb
MANGANESE	ND	100	ppb	(1)	ETHYLENE DIBROMIDE	ND	0.05	ppb
MBAS	ND	500	ppb	(1)	GLYPHOSATE	ND	700	ppb
MERCURY	ND	2	ppb	(1)	HEPTACHLOR EPOXIDE	ND	0.2	ppb
MOLYBDENUM	4	N/A	ppb		HEPTACHLOR (H-34, HEPTOX)	ND	0.4	ppb
NICKEL	ND	N/A	ppm		HEXACHLORO BENZENE	ND	1	ppb
NITRATE (as NITROGEN)	0.7	10	ppm		HEXACHLOROCYCLOPENTADIENE	ND	5.0	ppb
NITRITE (as NITROGEN)	ND	1	ppm		LINDANE	ND	0.2	ppb
ODOR	1	3	TON	(1)	METHOXYCHLOR	ND	40	ppb
ORTHO PHOSPHATE	58	N/A	ppb		MTBE	ND	N/A	
PERCHLORATE	2.3	N/A	ppb		OXAMYL (VYDATE)	ND	200	ppb
pH	7.87	6.5 - 8.5	pH units	(1)	PAHs (benzo(a)pyrene)	ND	0.2	ppb
POTASSIUM	6.1	N/A	ppm		PENTACHLOROPHENOL	ND	1	ppb
RADIUM 226 AND RADIUM 228 (Combined)	ND	5	pCi/L		PICLORAM	ND	500	ppb
SATURATION INDEX	0.34	N/A			POLYCHLORINATED BIPHENYLS	ND	0.5	ppb
SELENIUM	2.0	50	ppb		SILVEX (2,4,5 - TP)	ND	50	ppb
SILICA	7.8	N/A	ppm		SIMAZINE	ND	4	ppb
SILVER	ND	100	ppb	(1)	STYRENE	ND	100	ppb
SODIUM	98	N/A	ppm	(6)	TETRACHLOROETHYLENE	ND	5	ppb
SULFATE	243	500	ppm	(1)	TOLUENE	ND	1	ppm
TEMPERATURE	16.4	N/A	deg C		TOXAPHENE	ND	3	ppm
THALLIUM	ND	2	ppb		trans-1,2 DICHLOROETHYLENE	ND	100	ppb
TOTAL DISSOLVED SOLIDS	632	1000	ppm	(1)	TRICHLOROETHYLENE	ND	5	ppb
TOTAL ORGANIC CARBON	2.5	N/A	ppm		VINYL CHLORIDE	ND	2	ppb
TRIHALOMETHANES (Total)	68	80	ppb		XYLENES	ND	10	ppm
TURBIDITY (maximum value)	0.05	0.3	NTU	(7)				
URANIUM	4.6	30	ppb					
UV254	0.015	N/A	absorbance/cm					
VANADIUM	ND	N/A						
ZINC	0.16	5.0	ppm	(1)				

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

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

(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