

# SNWS-River Mountains Water Treatment Plant(RMWTP)

## 2012 WATER QUALITY SUMMARY

SUBSTANCE	Average Value	MCL	UNITS		SUBSTANCE	Average Value	MCL	UNITS
ALKALINITY	134	N/A	ppm		(1,2,4-)TRICHLOROBENZENE	<0.5	70	ppb
ALPHA PARTICLES	3.3	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	3.2	50	pCi/L		2,3,7,8-TCDD (DIOXIN)	<0.005	0.03	ppt
BROMATE	3	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	91	400	ppm	(1)	ALDICARB SULFOXIDE	<0.5	4	ppb (8)
CHLORINE RESIDUAL	1.4	4.0	ppm	(2)	ATRAZINE	<0.05	3	ppb
CHROMIUM, TOTAL	<3	100	ppb		BENZENE	<0.5	5	ppb
COLIFORM, TOTAL	0	≤ 1			CARBOFURAN	<0.5	40	ppb
				number samples positive per month	CARBON TETRACHLORIDE	<0.5	5	ppb
COLOR, True	1	15	PCU	(1)	CHLORDANE	<0.1	2	ppb
CONDUCTIVITY	969	N/A	μS/cm		CHLOROBENZENE	<0.5	100	ppb
COPPER	0.8	(3) 1.3	(4) ppm		cis-1,2-DICHLOROETHYLENE	<0.5	70	ppb
				(1)	DALAPON	<1	200	ppb
CYANIDE	<25	200	ppb		DI (2-ETHYLHEXYL) ADIPATE	<0.6	400	ppb
FLUORIDE (5)	0.7	4.0	ppm		DI (2-ETHYLHEXYL) PHTHALATE	<0.6	6	ppb
				(1)	DIBROMOCHLOROPROPANE	<0.01	0.2	ppb
HALOACETIC ACIDS (Total Regulated)	25	60	ppb		DICHLOROMETHANE	<0.5	5	ppb
HARDNESS	291	N/A	ppm		DINOSEB	<0.2	7	ppb
					DIQUAT	<0.4	20	ppb
IRON	17		gpg		ENDOTHALL	<5	100	ppb
LEAD	<100	600	ppb	(1)	ENDRIN	<0.01	2	ppb
MAGNESIUM	4	(3) 15	(4) ppb		ETHYLBENZENE	<0.5	700	ppb
MANGANESE	25	150	ppm	(1)	ETHYLENE DIBROMIDE	<0.01	0.05	ppb
MBAS	<5	100	ppb	(1)	GLYPHOSATE	<6	700	ppb
MERCURY	<50	500	ppb	(1)	HEPTACHLOR EPOXIDE	<0.01	0.2	ppb
MOLYBDENUM	<0.2	2	ppb		HEPTACHLOR (H-34, HEPTOX)	<0.01	0.4	ppb
NICKEL	<5	N/A	ppb		HEXACHLOROBENZENE	<0.05	1	ppb
NITRATE (as NITROGEN)	<5	N/A	ppb		HEXACHLOROCYCLOPENTADIENE	<0.05	50	ppb
NITRITE (as NITROGEN)	0.6	10	ppm		LINDANE	<0.01	0.2	ppb
ODOR	<0.02	1	ppm		METHOXYCHLOR	<0.05	40	ppb
ORTHO PHOSPHATE	1	3	TON	(1)	MTBE	<0.5	N/A	ppb
PERCHLORATE	32	N/A	ppb		OXAMYL (VYDATE)	<0.5	200	ppb
pH	1.3	N/A	ppb		PAHs (benzo(a)pyrene)	<0.02	0.2	ppb
POTASSIUM	7.9	6.5 - 8.5	pH units	(1)	PENTACHLOROPHENOL	<0.04	1	ppb
RADIUM 226 AND RADIUM 228 (Combined)	5.4	N/A	ppm		PICLORAM	<0.1	500	ppb
SATURATION INDEX	0.2	5	pCi/L		POLYCHLORINATED BIPHENYLS	<0.1	0.5	ppb
SELENIUM	0.36	N/A	N/A		SILVEX (2,4,5 - TP)	<0.2	50	ppb
SILICA, REACTIVE	2	50	ppb		SIMAZINE	<0.05	4	ppb
SILVER	8	N/A	ppm		STYRENE	<0.5	100	ppb
SODIUM	2	50	ppb	(1)	TETRACHLOROETHYLENE	<0.5	5	ppb
SULFATE	91	N/A	ppm	(6)	THALUENE	<0.5	1000	ppb
TEMPERATURE	220	500	ppm	(1)	TOXAPHENE	<0.5	3	ppb
THALLIUM	16	N/A	deg C		trans-1,2 DICHLOROETHYLENE	<0.5	100	ppb
TOTAL DISSOLVED SOLIDS	<0.2	2	ppb		TRICHLOROETHYLENE	<0.5	5	ppb
TOTAL ORGANIC CARBON	609	1000	ppm	(1)	VINYL CHLORIDE	<0.5	2	ppb
TRIHALOMETHANES (Total)	2.5	N/A	ppm		XYLENES	<1	10,000	ppb
TURBIDITY (maximum value)	59	80	ppb					
URANIUM	0.08	0.3	NTU	(7)				
VANADIUM	4	30	ppb					
ZINC	<5	N/A	ppb					
	0.09	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