

# SEARCHLIGHT WATER SYSTEM - WELL S-2 TREATMENT PLANT

## 2018 WATER QUALITY SUMMARY

SUBSTANCE	Average Value	MCL	UNITS	SUBSTANCE	Average Value	MCL	UNITS
ALKALINITY	159	N/A	ppm	(1,2,4-)TRICHLOROENZENE	<0.5	70	ppb
ALPHA PARTICLES	8	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	4	10	ppb	1,2 DICHLOROPROPANE	<0.5	5	ppb
BARIUM	<0.005	2	ppm	1,2 -DICHLOROENZENE	<0.5	600	ppb
BERYLLIUM	<0.4	4	ppb	1,2-DICHLOROETHANE	<0.5	5	ppb
BROMIDE	0.02	N/A	ppm	1,4 -DICHLOROENZENE	<0.5	75	ppb
CADMIUM	<0.5	5	ppb	2,3,7,8-TCDD (DIOXIN)	<0.002	0.03	ppt
CALCIUM	11	N/A	ppm	2,4-D	<0.1	70	ppb
CHLORIDE	19	400	ppm (1)	ALACHLOR	<0.1	2	ppb
CHLORINE RESIDUAL	0.8	4.0 (2)	ppm	ATRAZINE	<0.05	3	ppb
CHROMIUM	41	100	ppb	BENZENE	<0.5	5	ppb
COLIFORM, TOTAL	0	≤ 1	number samples positive per month	CARBOFURAN	<0.5	40	ppb
COLOR, True	2.8	15	PCU (1)	CARBON TETRACHLORIDE	<0.5	5	ppb
CONDUCTIVITY	451	N/A	µS/cm	CHLORDANE	<0.1	2	ppb
COPPER	<0.005	1.0	ppm (1)	CHLOROENZENE	<0.5	100	ppb
CYANIDE	<2	200	ppb	cis-1,2-DICHLOROETHYLENE	<0.5	70	ppb
FLUORIDE	1.0	4.0	ppm	DALAPON	<1	200	ppb
		2.0	ppm (1)	DI (2-ETHYLHEXYL) ADIPATE	<0.6	400	ppb
HALOACETIC ACIDS (Total Regulated)	1	60	ppb	DI (2-ETHYLHEXYL) PHTHALATE	<0.6	6	ppb
HARDNESS	52	N/A	ppm	DIBROMOCHLOROPROPANE	<0.01	0.2	ppb
	3		gpg	DICHLOROMETHANE	<0.5	5	ppb
IRON	<50	600	ppb (1)	DINOSEB	<0.2	7	ppb
LEAD	<1	N/A	ppb	DIQUAT	<0.4	20	ppb
MAGNESIUM	6	150	ppm (1)	ENDOTHALL	<5	100	ppb
MANGANESE	<5	100	ppb (1)	ENDRIN	<0.01	2	ppb
MBAS	<50	500	ppb (1)	ETHYLBENZENE	<0.5	700	ppb
MERCURY	<0.2	2	ppb	ETHYLENE DIBROMIDE	<0.01	0.05	ppb
MOLYBDENUM	3	N/A	ppb	GLYPHOSATE	<6	700	ppb
NICKEL	<5	N/A	ppb	HEPTACHLOR EPOXIDE	<0.01	0.2	ppb
NITRATE (as NITROGEN)	3.8	10	ppm	HEPTACHLOR (H-34, HEPTOX)	<0.01	0.4	ppb
NITRITE (as NITROGEN)	<0.02	1	ppm	HEXACHLOROENZENE	<0.05	1	ppb
ODOR	1	3	TON (1)	HEXACHLOROCYCLOPENTADIENE	<0.05	50	ppb
pH	8.2	6.5 - 8.5	pH units (1)	LINDANE	<0.01	0.2	ppb
POTASSIUM	3	N/A	ppm	METHOXYCHLOR	<0.05	40	ppb
RADIUM 226 AND RADIUM 228 (Combined)	<1	5	pCi/L	MTBE	<2	N/A	ppb
SATURATION INDEX	0.1	N/A	N/A	OXAMYL (VYDATE)	<0.5	200	ppb
SELENIUM	2	50	ppb	PAHs (benzo(a)pyrene)	<0.02	0.2	ppb
SILICA	34	N/A	ppm	PENTACHLOROPHENOL	<0.04	1	ppb
SILVER	<5	100	ppb (1)	PICLORAM	<0.1	500	ppb
SODIUM	69	N/A	ppm (3)	POLYCHLORINATED BIPHENYLS	<0.1	0.5	ppb
SULFATE	22	500	ppm (1)	SILVEX (2,4,5 - TP)	<0.2	50	ppb
TEMPERATURE	24.2	N/A	deg C	SIMAZINE	<0.05	4	ppb
THALLIUM	<0.2	2	ppb	STYRENE	<0.5	100	ppb
TOTAL DISSOLVED SOLIDS	270	1000	ppm (1)	TETRACHLOROETHYLENE	<0.5	5	ppb
TRihalOMETHANES (Total)	8	80	ppb	TOLUENE	<0.5	1000	ppb
TURBIDITY	0.39	N/A	NTU	TOXAPHENE	<0.5	3	ppb
URANIUM	8	30	ppb	trans-1,2 DICHLOROETHYLENE	<0.5	100	ppb
VANADIUM	<5	N/A	ppb	TRICHLOROETHYLENE	<0.5	5	ppb
ZINC	<5	5000	ppb (1)	VINYL CHLORIDE	<0.5	2	ppb
				XYLENES	<0.5	10,000	ppb

- (1) State of Nevada Secondary Standard
- (2) MRDL
- (3) Monitoring requirement only, no MCL

- "<" - less than
- µS/cm - Micro Siemens per centimeter
- gpg - grains per gallon
- MCL - Maximum Contaminant Level Set by EPA
- MRDL - Maximum Residual Disinfectant Level
- N/A - Not applicable, No Standard Set
- NTU - Nephelometric Turbidity Unit
- pCi/L - picocuries per liter
- PCU - Platinum Cobalt Units
- ppb - parts per billion
- ppm - parts per million
- TON - threshold odor number