

BLUE DIAMOND WATER SYSTEM
2009 WATER QUALITY SUMMARY

SUBSTANCE	Average Value	MCL	UNITS		SUBSTANCE	Average Value	MCL	UNITS
AGGRESSIVENESS INDEX	12.1	N/A			(1,2,4-)TRICHLOROENZENE	ND	70	ppb
ALKALINITY	204	N/A	ppm		1,1,1-TRICHLOROETHANE	ND	200	ppb
ALPHA PARTICLES	3.4	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	ND	10	ppb		1,2 -DICHLOROENZENE	ND	600	ppb
BARIUM	0.03	2	ppm		1,2-DICHLOROETHANE	ND	5	ppb
BERYLLIUM	ND	4	ppb		1,4 -DICHLOROENZENE	ND	75	ppb
BETA PARTICLES AND PHOTON EMITTERS	3.7	50	pCi/L		2,3,7,8-TCDD (DIOXIN)	ND	0.00003	ppb
BROMIDE	ND	N/A			2,4-D	ND	70	ppb
CADMIUM	ND	5	ppb		ALACHLOR	ND	2	ppb
CALCIUM	86	N/A	ppm		ALDICARB	ND	3	ppb (6)
CARBON DIOXIDE	10.6	N/A	ppm		ALDICARB SULFONE	ND	2	ppb (6)
CHLORIDE	11	400	ppm	(1)	ALDICARB SULFOXIDE	ND	4	ppb (6)
CHLORINE RESIDUAL	0.95	4.0	ppm	(2)	ATRAZINE	ND	3	ppb
CHROMIUM	ND	100	ppb		BENZENE	ND	5	ppb
COLIFORM, TOTAL	0	≤ 1	per month		CARBOFURAN	ND	40	ppb
	positive	positive			CARBON TETRACHLORIDE	ND	5	ppb
COLOR, True	0.25	15	PCU	(1)	CHLORDANE	ND	2	ppb
CONDUCTIVITY	767	N/A	µS/cm		cis-1,2-DICHLOROETHYLENE	ND	70	ppb
COPPER	0.14	(3)	1.3	(4)	DALAPON	ND	200	ppb
			1.0	(1)	DI (2-ETHYLHEXYL) ADIPATE	ND	400	ppb
CYANIDE	ND	200	ppb		DI (2-ETHYLHEXYL) PHTHALATE	ND	6	ppb
FLUORIDE	0.18	4.0	ppm		DIBROMOCHLOROPROPANE	ND	0.2	ppb
		2.0	ppm	(1)	DICHLOROMETHANE	ND	5	ppb
HALOACETIC ACIDS (Total Regulated)	ND	60	ppb		DINOSEB	ND	7	ppb
HARDNESS	380	N/A	ppm		DIQUAT	ND	20	ppb
	22.8		gpg		ENDOTHALL	ND	100	ppb
IRON	ND	600	ppb	(1)	ENDRIN	ND	2	ppb
LANGELIER INDEX	0.24	N/A		(5)	ETHYLBENZENE	ND	700	ppb
LEAD	1.2	(3)	15	(4)	ETHYLENE DIBROMIDE	ND	0.05	ppb
MAGNESIUM	39	150	ppm	(1)	GLYPHOSATE	ND	700	ppb
MANGANESE	ND	100	ppb	(1)	HEPTACHLOR EPOXIDE	ND	0.2	ppb
MBAS	ND	500	ppb	(1)	HEPTACHLOR (H-34, HEPTOX)	ND	0.4	ppb
MERCURY	ND	2.0	ppb		HEXACHLOROENZENE	ND	1	ppb
MOLYBDENUM	ND	N/A	ppb		HEXACHLOROCCYCLOPENTADIENE	ND	50	ppb
NICKEL	ND	N/A			LINDANE	ND	0.2	ppb
NITRATE (as NITROGEN)	0.93	10	ppm		METHOXYCHLOR	ND	40	ppb
NITRITE (as NITROGEN)	ND	1	ppm		MONOCHLOROENZENE	ND	100	ppb
ODOR	1	3	TON	(1)	MTBE	ND	N/A	ppb
pH	7.49	6.5 - 8.5	pH units	(1)	PAHs (benzo(a)pyrene)	ND	0.2	ppb
POTASSIUM	1.9	N/A	ppm		PENTACHLOROPHENOL	ND	1	ppb
RADIUM 226 AND RADIUM 228 (Combined)	0.77	5	pCi/L		PICLORAM	ND	500	ppb
SELENIUM	1.6	50	ppb		POLYCHLORINATED BIPHENYLS	ND	0.5	ppb
SILICA	13	N/A	ppm		SILVEX (2,4,5 - TP)	ND	50	ppb
SILVER	ND	100	ppb	(1)	SIMAZINE	ND	4	ppb
SODIUM	11	N/A	ppm	(5)	STYRENE	ND	100	ppb
SULFATE	160	500	ppm	(1)	TETRACHLOROETHYLENE	ND	5	ppb
TEMPERATURE	21.5	N/A	deg C		TOLUENE	ND	1	ppm
THALIUM	ND	2.0	ppb		TOXAPHENE	ND	3	ppb
TOTAL DISSOLVED SOLIDS	465	1000	ppm	(1)	trans-1,2 DICHLOROETHYLENE	ND	100	ppb
TRIHALOMETHANES (Total)	0.51	80	ppb		TRICHLOROETHYLENE	ND	5	ppb
TURBIDITY	0.18	N/A	NTU		VINYL CHLORIDE	ND	2	ppb
URANIUM	1.6	30	ppb		VYDATE	ND	200	ppb
VANADIUM	ND	N/A			XYLENES	ND	10	ppm
ZINC	0.005	5.0	ppm	(1)				

MCL = Maximum Contaminant Level Set by EPA

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

- (1) State of Nevada Secondary Standard
- (2) MRDL
- (3) 90th Percentile value of all samples collected
- (4) Action Level only
- (5) Monitoring requirement only, no MCL
- (6) MCL not in effect