WQCCR-00103

Washoe County Utility Services Division

1998 Water Quality Report for the Mt. Rose Water Service Area

Water served to Mt. Rose customers is groundwater supplied by three different wells. These wells are located along Millie Lane and near the Montreux Golf Course.

Analysis results are reported in parts per million (ppm) unless specified. To put this in perspective one part per million equals:

* One cent in ten thousand dollars
* One minute in two years

The term Maximum Contaminant Level, or "**MCL**", refers to the highest reading allowed by State law, minimizing health risks. The term Maximum Contaminant Level Goal, or "**MCLG**", refers to the level of a contaminant in drinking water which there is no known or expected risk to health.

We are pleased to report that your water meets or exceeds all standards set for quality and safety.

Microbiological	**MCL**	**MCLG**	**Well #2**	**Well #3**	**Well #5**
coliform bacteria	<5% Positive	0% Positive	0% Positive	0% Positive	0% Positive

Primary Standards: Mandatory health related standards established by the State of Nevada, Health Protection Services

Constituents	**MCL (ppm)**	**MCLG**	**Well #2**	**Well #3**	**Well #5**
Antimony	0.006	0.006	<0.001	<0.001	<0.001
Arsenic	0.05	0.05	<0.003	<0.003	<0.003
Barium	2	2	0.07	0.04	0.08
Beryllium	0.004	0.004	<0.001	<0.001	<0.001
Cadmium	0.005	0.005	<0.001	<0.001	<0.001
Chromium	0.1	0.1	<0.005	<0.005	<0.005
Cyanide	0.2	0.2	<0.01	<0.01	<0.01
Fluoride	4	4	0.05	0.05	0.01
Mercury	0.002	0.002	<0.0005	<0.0005	<0.0005
Nickel	0.1	0.1	<0.005	<0.005	<0.005
Nitrate (as N)	10	10	4.4	0.8	0.4
Nitrite (as N)	1	1	0.01	<0.01	<0.01
Selenium	0.05	0.05	<0.001	<0.001	<0.001
Thallium	0.002	0.0005	<0.0005	<0.0005	<0.0005

Secondary Standards: Aesthetic standards established by the State of Nevada, Health Protection Services

Constituents	**MCL (ppm)**	**MCLG**	**Well #2**	**Well #3**	**Well #5**
Chloride	400	400	7	5	1
Color*	15	15	10	5	3
Copper	1	1	0.01	0	0
Fluoride	2	2	0.05	0.05	0.01
Foaming Agents (MBAS)	0.5	0.5	<0.1	<0.1	<0.1
Iron	0.6	0.6	0.28	0.01	0.02
Magnesium	150	150	10	9	8
Manganese	0.1	0.1	0.02	0	0
pH*	6.5 to 8.5	6.5 to 8.5	7.05	7.47	7.75
Sulfate	500	500	2	2	1
Zinc	5	5	0.01	0.01	0
Total Dissolved Solids (TDS)	1000	1000	153	164	149

Additional Constituents

Hardness	No Standard	No Standard	89	77	78
Calcium	No Standard	No Standard	19	16	18
Potassium	No Standard	No Standard	4	5	5
Sodium	No Standard	No Standard	9	9	9
Silica	No Standard	No Standard	64	64	64

*Color and pH are measured in standard color and pH units

The symbol "<" means less than

Synthetic Organic Chemicals (SOCs) - are man made organic chemicals such as pesticides and herbicides

	MCL (ppm)	MCLG	Well #2	Well #3	Well #5
Phase II			ND = Not Detected		
Alachlor	0.002	zero	ND	ND	ND
Aldicarb	0.003	zero	ND	ND	ND
Aldicarb sulfoxide	0.004	zero	ND	ND	ND
Aldicarb sulfone	0.002	zero	ND	ND	ND
Atrazine	0.003	0.003	ND	ND	ND
Carbofuran	0.04	0.04	ND	ND	ND
Chlordane	0.002	zero	ND	ND	ND
Dibromochloropropane	0.0002	zero	ND	ND	ND
2, 4-D	0.07	0.07	ND	ND	ND
Ethylene dibromide	0.00005	zero	ND	ND	ND
Heptachlor	0.0004	zero	ND	ND	ND
Heptachlor epoxide	0.0002	zero	ND	ND	ND
Lindane	0.0002	0.0002	ND	ND	ND
Methoxychlor	0.04	0.04	ND	ND	ND
Polychlorinated biphenyls (PCBs)	0.0005	zero	ND	ND	ND
Pentachlorophenol	0.001	zero	ND	ND	ND
Toxaphene	0.003	zero	ND	ND	ND
2, 4, 5-TP	0.05	0.05	ND	ND	ND
Phase V					
Benzo[a]pyrene	0.0002	zero	ND	ND	ND
Dalapon	0.2	0.2	ND	ND	ND
Bis (2-ethylhexyl) adipate	0.4	0.4	ND	ND	ND
Bis (2-ethylhexyl) phthalate	0.006	zero	ND	ND	ND
Dinoseb	0.007	0.007	ND	ND	ND
Diquat	0.02	0.02	ND	ND	ND
Endothall	0.1	0.1	ND	ND	ND
Endrin	0.002	0.002	ND	ND	ND
Glyphosate	0.7	0.7	ND	ND	ND
Hexchlorobenzene	0.001	zero	ND	ND	ND
Hexachlorocyclopentadiene	0.05	0.05	ND	ND	ND
Oxamyl (Vydate)	0.2	0.2	ND	ND	ND
Picloram	0.5	0.5	ND	ND	ND
Simazine	0.004	0.004	ND	ND	ND
2, 3, 7, 8-TCDD (Dioxin)	0.00000003	zero	ND	ND	ND
Aldrin	Unregulated	zero	ND	ND	ND
Butachlor	Unregulated	zero	ND	ND	ND
Carbaryl	Unregulated	zero	ND	ND	ND
Dicamba	Unregulated	zero	ND	ND	ND
Dieldrin	Unregulated	zero	ND	ND	ND
3-Hydroxycarbofuran	Unregulated	zero	ND	ND	ND
Methomyl	Unregulated	zero	ND	ND	ND
Metolachlor	Unregulated	zero	ND	ND	ND
Metribuzin	Unregulated	zero	ND	ND	ND
Propachlor	Unregulated	zero	ND	ND	ND

Radioactivity	MCL (ppm)	MCLG	Well #2	Well #3	Well #5
Gross Alpha*	15	zero	<3	<3	<3

*Radioactivity is measured in units of pico Curies per liter (pCi/l)

Mt. Rose

Volatile Organic Chemicals (VOCs) - are organic chemicals, which evaporate easily. These include common industrial solvents such as Trichloroethylene.

	MCL (ppm)	MCLG	Well #2	Well #3	Well #5
Benzene	0.005	zero	ND	ND	ND
Carbon tetrachloride	0.005	zero	ND	ND	ND
o-Dichlorobenzene	0.6	0.6	ND	ND	ND
1, 2-Dichloroethane	0.005	zero	ND	ND	ND
para-Dichlorobenzene	0.075	0.075	ND	ND	ND
Trichloroethylene (TCE)	0.005	zero	ND	ND	ND
Ethylbenzene	0.7	0.7	ND	ND	ND
Vinyl chloride	0.002	zero	ND	ND	ND
1,1-Dichloroethylene	0.007	0.007	ND	ND	ND
1,1,1-Trichloroethane	0.2	0.2	ND	ND	ND
cis-1,2-Dichloroethylene	0.07	0.07	ND	ND	ND
1,2-Dichloropropane	0.005	zero	ND	ND	ND
Monochlorobenzene	0.1	0.1	ND	ND	ND
Styrene	0.1	0.1	ND	ND	ND
Tetrachloroethylene (PCE)	0.005	0.005	ND	ND	ND
Toluene	1	1	ND	ND	ND
trans-1,2-Dichloroethylene	0.1	0.1	ND	ND	ND
Xylenes (Total)	10	10	ND	ND	ND
Dichloromethane	0.005	zero	ND	ND	ND
1,1,2-Trichloroethane	0.005	0.003	ND	ND	ND
1,2,4-Trichlorobenzene	0.07	0.07	ND	ND	ND
Bromobenzene	Unregulated	zero	ND	ND	ND
Bromoform*	Unregulated	zero	ND	ND	ND
Bromodichloromethane*	Unregulated	zero	ND	ND	ND
Chloroform*	Unregulated	zero	ND	ND	ND
Chlorodibromomethane*	Unregulated	zero	ND	ND	ND
Bromomethane	Unregulated	zero	ND	ND	ND
Chloroethane	Unregulated	zero	ND	ND	ND
Chloromethane	Unregulated	zero	ND	ND	ND
o-Chlorotoluene	Unregulated	zero	ND	ND	ND
p-Chlorotoluene	Unregulated	zero	ND	ND	ND
Dibromomethane	Unregulated	zero	ND	ND	ND
m-Dichlorobenzene	Unregulated	zero	ND	ND	ND
1,1-Dichloroethane	Unregulated	zero	ND	ND	ND
1,1-Dichloropropene	Unregulated	zero	ND	ND	ND
1,3-Dichloropropane	Unregulated	zero	ND	ND	ND
e,z-1,3 Dichloropropane	Unregulated	zero	ND	ND	ND
2,2-Dichloropropane	Unregulated	zero	ND	ND	ND
1,1,1,2-Tetrachloroethane	Unregulated	zero	ND	ND	ND
1,1,2,2-Tetrachloroethane	Unregulated	zero	ND	ND	ND
1,2,3-Trichloropropane	Unregulated	zero	ND	ND	ND
1, 3-Dichloropropene	Unregulated	zero	ND	ND	ND

*The sum of these four constituents composes total trihalomethanes. The MCL for total trihalomethanes is 0.10 ppm

How can I get more information about this water quality report?

For more information please call our water quality section at 954-4600

The presence of contaminants in drinking water does not necessarily indicate that the drinking water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency "hot-line" at 1-800-426-4791