

Washoe County Utility Services Division

WQCCR-00101

1998 Water Quality Report for the Lemmon Valley Water Service Area

Analysis results are reported in parts per million (ppm) unless specified.

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 #3	Well #5	Well #6
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 #3	Well #5	Well #6
Antimony	0.006	0.006	<0.001	<0.001	<0.001
Arsenic	0.05	0.05	<0.003	0.005	0.003
Barium	2	2	0.04	0.06	0.1
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	<0.001	<0.001	<0.005
Cyanide	0.2	0.2	<0.01	<0.01	<0.01
Fluoride	4	4	0.13	0.14	0.13
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	2.7	1.2	1.6
Nitrite (as N)	1	1	<0.01	<0.01	<0.01
Selenium	0.05	0.05	<0.001	<0.001	0.002
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 #3	Well #5	Well #6
Chloride	400	400	14	5	9
Color*	15	15	3	3	7
Copper	1	1	0	0	0
Fluoride	2	2	0.13	0.14	0.13
Foaming Agents (MBAS)	0.5	0.5	<0.1	<0.1	<0.1
Iron	0.6	0.6	0.01	0.01	0.02
Magnesium	150	150	17	5	10
Manganese	0.1	0.1	0	0	0
pH*	6.5 to 8.5	6.5 to 8.5	7.70	8.00	7.68
Sulfate	500	500	56	43	42
Zinc	5	5	0	0	0.01
Total Dissolved Solids (TDS)	1000	1000	237	231	222

Additional Constituents

Hardness	No Standard	No Standard	147	66	111
Calcium	No Standard	No Standard	31	18	28
Potassium	No Standard	No Standard	4	3	4
Sodium	No Standard	No Standard	20	49	23
Silica	No Standard	No Standard	42	52	52

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

The symbol "<" means less than

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The water served to Lemmon Valley customers is groundwater supplied by five different wells. Wells #3, #6, #7, and #8 are located along Lemmon Valley Drive near the intersections of Military Road, Arkansas Drive, Pompei Way, and Nectar Street respectively. Well #5 is located at the north end of Fleetwood Drive. Customers can expect their water to be a blend of water from the well(s) nearest the customer's residence with any of the other wells.

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

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

Microbiological	MCL	MCLG	Well #7	Well #8
coliform bacteria	<5% 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 #7	Well #8
Antimony	0.006	0.006	<0.001	<0.001
Arsenic	0.05	0.05	0.013	0.008
Barium	2	2	0.03	0.06
Beryllium	0.004	0.004	<0.001	<0.001
Cadmium	0.005	0.005	<0.001	<0.001
Chromium	0.1	0.1	<0.001	0.001
Cyanide	0.2	0.2	<0.01	<0.01
Fluoride	4	4	0.2	0.17
Mercury	0.002	0.002	<0.0005	<0.0005
Nickel	0.1	0.1	<0.005	<0.005
Nitrate (as N)	10	10	0.2	1.1
Nitrite (as N)	1	1	<0.01	<0.01
Selenium	0.05	0.05	<0.001	<0.001
Thallium	0.002	0.0005	<0.0005	<0.0005

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

Constituents	MCL (ppm)	MCLG	Well #7	Well #8
Chloride	400	400	15	5
Color*	15	15	3	3
Copper	1	1	0.01	0
Fluoride	2	2	0.2	0.17
Foaming Agents (MBAS)	0.5	0.5	<0.1	<0.1
Iron	0.6	0.6	0.08	0
Magnesium	150	150	3	4
Manganese	0.1	0.1	0	0
pH*	6.5 to 8.5	6.5 to 8.5	8.13	7.98
Sulfate	500	500	27	37
Zinc	5	5	0	0
Total Dissolved Solids (TDS)	1000	1000	171	222

Additional Constituents

Hardness	No Standard	No Standard	45	74
Calcium	No Standard	No Standard	13	23
Potassium	No Standard	No Standard	2	4
Sodium	No Standard	No Standard	40	40
Silica	No Standard	No Standard	40	57

*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 #3	Well #5	Well #6	Well #7	Well #8
Phase II							
ND = Not Detected							
Alachlor	0.002	zero	ND	ND	ND	ND	ND
Aldicarb	0.003	zero	ND	ND	ND	ND	ND
Aldicarb sulfoxide	0.004	zero	ND	ND	ND	ND	ND
Aldicarb sulfone	0.002	zero	ND	ND	ND	ND	ND
Atrazine	0.003	0.003	ND	ND	ND	ND	ND
Carbofuran	0.04	0.04	ND	ND	ND	ND	ND
Chlordane	0.002	zero	ND	ND	ND	ND	ND
Dibromochloropropane	0.0002	zero	ND	ND	ND	ND	ND
2, 4-D	0.07	0.07	ND	ND	ND	ND	ND
Ethylene dibromide	0.00005	zero	ND	ND	ND	ND	ND
Heptachlor	0.0004	zero	ND	ND	ND	ND	ND
Heptachlor epoxide	0.0002	zero	ND	ND	ND	ND	ND
Lindane	0.0002	0.0002	ND	ND	ND	ND	ND
Methoxychlor	0.04	0.04	ND	ND	ND	ND	ND
Polychlorinated biphenyls (PCBs)	0.0005	zero	ND	ND	ND	ND	ND
Pentachlorophenol	0.001	zero	ND	ND	ND	ND	ND
Toxaphene	0.003	zero	ND	ND	ND	ND	ND
2, 4, 5-TP	0.05	0.05	ND	ND	ND	ND	ND
Phase V							
Benzo[a]pyrene	0.0002	zero	ND	ND	ND	ND	ND
Dalapon	0.2	0.2	ND	ND	ND	ND	ND
Bis (2-ethylhexyl) adipate	0.4	0.4	ND	ND	ND	ND	ND
Bis (2-ethylhexyl) phthalate	0.006	zero	ND	ND	ND	ND	ND
Dinoseb	0.007	0.007	ND	ND	ND	ND	ND
Diquat	0.02	0.02	ND	ND	ND	ND	ND
Endothall	0.1	0.1	ND	ND	ND	ND	ND
Endrin	0.002	0.002	ND	ND	ND	ND	ND
Glyphosate	0.7	0.7	ND	ND	ND	ND	ND
Hexchlorobenzene	0.001	zero	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.05	0.05	ND	ND	ND	ND	ND
Oxamyl (Vydate)	0.2	0.2	ND	ND	ND	ND	ND
Picloram	0.5	0.5	ND	ND	ND	ND	ND
Simazine	0.004	0.004	ND	ND	ND	ND	ND
2, 3, 7, 8-TCDD (Dioxin)	0.00000003	zero	ND	ND	ND	ND	ND
Aldrin	Unregulated	zero	ND	ND	ND	ND	ND
Butachlor	Unregulated	zero	ND	ND	ND	ND	ND
Carbaryl	Unregulated	zero	ND	ND	ND	ND	ND
Dicamba	Unregulated	zero	ND	ND	ND	ND	ND
Dieldrin	Unregulated	zero	ND	ND	ND	ND	ND
3-Hydroxycarbofuran	Unregulated	zero	ND	ND	ND	ND	ND
Methomyl	Unregulated	zero	ND	ND	ND	ND	ND
Metolachlor	Unregulated	zero	ND	ND	ND	ND	ND
Metribuzin	Unregulated	zero	ND	ND	ND	ND	ND
Propachlor	Unregulated	zero	ND	ND	ND	ND	ND
Radioactivity							
	MCL	MCLG	Well #3	Well #5	Well #6	Well #7	Well #8
Gross Alpha*	15	zero	<3	3	<3	4	12

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

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

	MCL (ppm)	MCLG	Well #3	Well #5	Well #6	Well #7	Well #8
Benzene	0.005	zero	ND	ND	ND	ND	ND
Carbon tetrachloride	0.005	zero	ND	ND	ND	ND	ND
o-Dichlorobenzene	0.6	0.6	ND	ND	ND	ND	ND
1, 2-Dichloroethane	0.005	zero	ND	ND	ND	ND	ND
para-Dichlorobenzene	0.075	0.075	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.005	zero	ND	ND	ND	ND	ND
Ethylbenzene	0.7	0.7	ND	ND	ND	ND	ND
Vinyl chloride	0.002	zero	ND	ND	ND	ND	ND
1,1-Dichloroethylene	0.007	0.007	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.2	0.2	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.07	0.07	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.005	zero	ND	ND	ND	ND	ND
Monochlorobenzene	0.1	0.1	ND	ND	ND	ND	ND
Styrene	0.1	0.1	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.005	0.005	ND	ND	ND	ND	ND
Toluene	1	1	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	0.1	0.1	ND	ND	ND	ND	ND
Xylenes (Total)	10	10	ND	ND	ND	ND	ND
Dichloromethane	0.005	zero	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.005	0.003	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.07	0.07	ND	ND	ND	ND	ND
Bromobenzene	Unregulated	zero	ND	ND	ND	ND	ND
Bromoform*	Unregulated	zero	ND	ND	ND	ND	ND
Bromodichloromethane*	Unregulated	zero	ND	ND	ND	0.00168	ND
Chloroform*	Unregulated	zero	ND	ND	ND	0.0147	ND
Chlorodibromomethane*	Unregulated	zero	ND	ND	ND	ND	ND
Bromomethane	Unregulated	zero	ND	ND	ND	ND	ND
Chloroethane	Unregulated	zero	ND	ND	ND	ND	ND
Chloromethane	Unregulated	zero	ND	ND	ND	ND	ND
o-Chlorotoluene	Unregulated	zero	ND	ND	ND	ND	ND
p-Chlorotoluene	Unregulated	zero	ND	ND	ND	ND	ND
Dibromomethane	Unregulated	zero	ND	ND	ND	ND	ND
m-Dichlorobenzene	Unregulated	zero	ND	ND	ND	ND	ND
1,1-Dichloroethane	Unregulated	zero	ND	ND	ND	ND	ND
1,1-Dichloropropene	Unregulated	zero	ND	ND	ND	ND	ND
1,3-Dichloropropane	Unregulated	zero	ND	ND	ND	ND	ND
e,z-1,3 Dichloropropane	Unregulated	zero	ND	ND	ND	ND	ND
2,2-Dichloropropane	Unregulated	zero	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	Unregulated	zero	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	Unregulated	zero	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	Unregulated	zero	ND	ND	ND	ND	ND
1, 3-Dichloropropene	Unregulated	zero	ND	ND	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