

1998 Water Quality Report for the Hidden Valley Water Service Area

Water served to Hidden Valley customers is groundwater from two different wells located near the intersection of Mill Street and McCarran Blvd. These wells are supplemented by an intertie with Sierra Pacific Power Company, which supplies water from the Glendale & Chalk Bluff treatment plants.

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 #3 | Well #5 | SPPCo |
|-------------------|--------------|-------------|-------------|-------------|-------------|
| 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 | SPPCo |
|----------------|-----------|--------|---------|---------|---------|
| Antimony | 0.006 | 0.006 | <0.001 | <0.001 | <0.003 |
| Arsenic | 0.05 | 0.05 | 0.019 | 0.004 | <0.005 |
| Barium | 2 | 2 | 0.04 | 0.04 | 0.02 |
| Beryllium | 0.004 | 0.004 | <0.001 | <0.001 | <0.0005 |
| Cadmium | 0.005 | 0.005 | <0.001 | <0.001 | <0.0005 |
| Chromium | 0.1 | 0.1 | <0.005 | <0.005 | <0.005 |
| Cyanide | 0.2 | 0.2 | <0.01 | <0.01 | <0.005 |
| Fluoride | 4 | 4 | 0.16 | 0.04 | <0.1 |
| Mercury | 0.002 | 0.002 | <0.0005 | <0.0005 | <0.0005 |
| Nickel | 0.1 | 0.1 | <0.005 | <0.005 | <0.05 |
| Nitrate (as N) | 10 | 10 | 1.2 | 1.8 | <0.1 |
| Nitrite (as N) | 1 | 1 | <0.01 | <0.01 | <0.01 |
| Selenium | 0.05 | 0.05 | <0.001 | <0.001 | <0.003 |
| 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 | SPPCo |
|------------------------------|------------|------------|---------|---------|-------|
| Chloride | 400 | 400 | 8 | 8 | 8.5 |
| Color | 15 | 15 | 3 | 3 | 1 |
| Copper | 1 | 1 | 0 | 0 | <0.01 |
| Fluoride | 2 | 2 | 0.16 | 0.04 | <0.1 |
| Foaming Agents (MBAS) | 0.5 | 0.5 | <0.1 | <0.1 | N/A |
| Iron | 0.6 | 0.6 | 0.01 | 0.01 | <0.02 |
| Magnesium | 150 | 150 | 11 | 12 | 3.5 |
| Manganese | 0.1 | 0.1 | 0 | 0 | <0.01 |
| pH* | 6.5 to 8.5 | 6.5 to 8.5 | 7.69 | 7.85 | 7.42 |
| Sulfate | 500 | 500 | 26 | 15 | 17.7 |
| Zinc | 5 | 5 | 0.01 | 0 | <0.01 |
| Total Dissolved Solids (TDS) | 1000 | 1000 | 192 | 173 | 121 |

Additional Constituents

| | | | | | |
|-----------|-------------|-------------|-----|-----|------|
| Hardness | No Standard | No Standard | 110 | 129 | 46 |
| Calcium | No Standard | No Standard | 26 | 32 | 11.4 |
| Potassium | No Standard | No Standard | 4 | 3 | 2.1 |
| Sodium | No Standard | No Standard | 23 | 12 | 10.4 |
| Silica | No Standard | No Standard | 47 | 37 | N/A |

*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 | SPPCo |
|----------------------------------|-------------|--------|-------------------|---------|-------|
| 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 | MCLG | Well #3 | Well #5 | SPPCo |
|----------------------|------------|-------------|----------------|----------------|--------------|
| Gross Alpha* | 15 | zero | <3 | 3 | N/A |

*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 | SPPCo |
|----------------------------|-------------|-------|---------|---------|---------|
| Benzene | 0.005 | zero | ND | ND | <0.0002 |
| Carbon tetrachloride | 0.005 | zero | ND | ND | <0.0002 |
| o-Dichlorobenzene | 0.6 | 0.6 | ND | ND | <0.0002 |
| 1, 2-Dichloroethane | 0.005 | zero | ND | ND | <0.0002 |
| para-Dichlorobenzene | 0.075 | 0.075 | ND | ND | <0.0002 |
| Trichloroethylene (TCE) | 0.005 | zero | ND | ND | <0.0002 |
| Ethylbenzene | 0.7 | 0.7 | ND | ND | <0.0002 |
| Vinyl chloride | 0.002 | zero | ND | ND | <0.0002 |
| 1,1-Dichloroethylene | 0.007 | 0.007 | ND | ND | <0.0002 |
| 1,1,1-Trichloroethane | 0.2 | 0.2 | ND | ND | <0.0002 |
| cis-1,2-Dichloroethylene | 0.07 | 0.07 | ND | ND | <0.0002 |
| 1,2-Dichloropropane | 0.005 | zero | ND | ND | <0.0002 |
| Monochlorobenzene | 0.1 | 0.1 | ND | ND | <0.0002 |
| Styrene | 0.1 | 0.1 | ND | ND | <0.0002 |
| Tetrachloroethylene (PCE) | 0.005 | 0.005 | ND | ND | <0.0002 |
| Toluene | 1 | 1 | ND | ND | <0.0002 |
| trans-1,2-Dichloroethylene | 0.1 | 0.1 | ND | ND | <0.0002 |
| Xylenes (Total) | 10 | 10 | ND | ND | <0.0002 |
| Dichloromethane | 0.005 | zero | ND | ND | <0.0002 |
| 1,1,2-Trichloroethane | 0.005 | 0.003 | ND | ND | <0.0002 |
| 1,2,4-Trichlorobenzene | 0.07 | 0.07 | ND | ND | <0.0002 |
| Bromobenzene | Unregulated | zero | ND | ND | <0.0002 |
| Bromoform* | Unregulated | zero | ND | ND | 0.0026 |
| Bromodichloromethane* | Unregulated | zero | ND | ND | 0.012 |
| Chloroform* | Unregulated | zero | ND | ND | <0.0002 |
| Chlorodibromomethane* | Unregulated | zero | ND | ND | <0.0002 |
| Bromomethane | Unregulated | zero | ND | ND | <0.0002 |
| Chloroethane | Unregulated | zero | ND | ND | <0.0002 |
| Chloromethane | Unregulated | zero | ND | ND | <0.0002 |
| o-Chlorotoluene | Unregulated | zero | ND | ND | <0.0002 |
| p-Chlorotoluene | Unregulated | zero | ND | ND | <0.0002 |
| Dibromomethane | Unregulated | zero | ND | ND | <0.0002 |
| m-Dichlorobenzene | Unregulated | zero | ND | ND | <0.0002 |
| 1,1-Dichloroethane | Unregulated | zero | ND | ND | <0.0002 |
| i,1-Dichloropropene | Unregulated | zero | ND | ND | <0.0002 |
| 1,3-Dichloropropane | Unregulated | zero | ND | ND | <0.0002 |
| e,z-1,3 Dichloropropane | Unregulated | zero | ND | ND | <0.0002 |
| 2,2-Dichloropropane | Unregulated | zero | ND | ND | <0.0002 |
| 1,1,1,2-Tetrachloroethane | Unregulated | zero | ND | ND | <0.0002 |
| 1,1,2,2-Tetrachloroethane | Unregulated | zero | ND | ND | <0.0002 |
| 1,2,3-Trichloropropane | Unregulated | zero | ND | ND | <0.0002 |
| 1, 3-Dichloropropene | Unregulated | zero | ND | ND | <0.0002 |

*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