

Hayden Lake Irrigation District 2005 Annual Drinking Water Quality Report

Hayden Lake Irrigation District is pleased to present this year's Annual Water Quality Report. This report is designed to inform you about the quality of water and services we deliver to you every day. Our constant goal is to provide you, our customers, with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve and protect our water resources.

Our water source is the Rathdrum-Prairie Aquifer. This Aquifer serves many wells in the surrounding area and is a dependable source of drinking water. Your help to maintain its quality benefits all of the residents who depend on this source.

The District is pleased to report that our drinking water meets or exceeds all federal and state requirements. If you have any questions concerning your water utility, please contact Alan Miller, District Administrator at 772-2612. We want our valued customers to be informed about their water utility. If you wish to learn more, please attend any of our regularly scheduled meetings held on the first and third Tuesday of every month at 6:00 p.m. Meetings are held at the District office located at 2160 West Dakota Avenue.

Hayden Lake Irrigation District routinely monitors for contaminants in your drinking water in accordance with State and Federal laws. We are proud to announce that our water meets or exceeds all safe drinking water standards. All drinking water, *including bottled water*, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the **Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791**.

The following table describes any contaminants detected in our water within the past 5 years. If multiple samples are taken during a five year period, only the most recent results will be shown. The District samples for many additional contaminants however they were not detected in laboratory analysis.

Contaminant	Date	Dakota Well	Lacey Well	MCL	MCLG	Violation	Typical source of Contaminant
Nitrate	7-27-2005	.6	.6	10	10	N	Runoff from Fertilizer; Leaching from Septic Tanks; Sewage; Erosion of Natural Deposits
Fluoride	12-4-2001	.6	.6	4	4	N	Erosion of Natural Deposits; Discharge from Fertilizer and Aluminum Factories
Radiological Gross Alpha	2-8-2001	.8	.2	15	0	N	Erosion of Natural Deposits
Radiological Gross Beta	2-8-2001	1.8 (mrem)	1.4 (mrem)	4 (mrem/yr)	0	N	Decay of natural and Man Made Deposits

Contaminant	Date	Location	Detected	Violation	Typical Source of Contaminant
Total Coliform Bacteria	10-3-2005	Distribution System	Presence	No	Naturally Present in the Environment

Contaminant	# Samples	Date	Our water 90 th percentile	Range of detection	Action Level	MCLG
Lead	20	9-8_11-5-2004	ND (ppb)	ND to 2 (ppb)	15 (ppb)	0 (ppb)
Copper	20	9-8_11-5-2004	0.1 (ppm)	ND to 0.21 (ppm)	1.3 (ppm)	1.3 (ppm)

- **MCL** Maximum Contaminant Level is in milligrams per liter (mg/l) unless otherwise specified. One milligram per liter is equivalent to one part per million (ppm). Put another way, one ppm is equal to one part contaminant per one million parts drinking water. Or one penny in \$10,000.
- **MCLG** Maximum Contaminant Level Goal is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- **Total Coliform** is monitored monthly at various locations in the District's water distribution system. At least two samples must show presence of coliform bacteria in order for a violation to have occurred.
- **Lead and Copper**
 - Testing is done at specified homes within the District
 - The 90th percentile of results is the reportable level
 - This means that 90% of all results are at or below the reported level
 - In our district the results from 20 samples consisted of two homes with 2 ppb and 18 homes with no detectable level of lead
 - **Action Level** is the point at which the Water District must take action to reduce lead or copper levels in the water
- ND means non-detect; this means that the contaminant was below the laboratories ability to reliably measure that contaminant.

Maximum Contaminant Levels (MCL) are the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology. MCLs are set at very stringent levels, to understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level or greater for a lifetime to have a one-in-a-million chance of having the described health effect. Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate methods to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Our District relies on our customers to help us prevent harmful contamination of the drinking water system. You can help us accomplish this by completing the annual testing of all backflow prevention assemblies on your property. Annual testing by a certified tester is required by the District and the state. We can supply you with a list of acceptable testers.

This year many of you have helped in maintaining water quality by participating in the cross connection survey. This has helped us to protect your drinking water in high-risk areas by installing the proper backflow assembly. Thank you for your prompt response.

Thank you for allowing us to continue providing your family with clean, quality water this year. Hayden Lake Irrigation District works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water resources, which is the heart of our community, our way of life and our children's future.

Additional copies of this report are available from our office at 2160 West Dakota or from our website at www.haydenirrigation.com

***The Board and Staff
Hayden Lake Irrigation District***