

Barry Elementary School
2011 Water Quality Consumer Confidence Report
Public Water System Number 5100149

Este informe contiene información muy importante sobre su agua beber. Tradúzcalo ó hable con alguien que lo entienda bien.

For additional information concerning your drinking water, contact Steve Plaxco at 530-822-5252.

Water for the Barry Elementary School originates from one groundwater source known as new Well #2. Bottled water is provided to all students and faculty for drinking and cooking.

DEFINITIONS OF SOME OF THE TERMS USED IN THIS REPORT:

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is technologically, and economically feasible.

Primary Drinking Water Standards (PDWS): MCLs for Contaminants that affect health along with their monitoring and reporting requirements, and surface water treatment requirements.

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the Federal Environmental Protection Agency (USEPA).

Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

pCi/L: picocuries per liter (a measure of radiation)

ppb: parts per billion or micrograms per liter

ppm: parts per million or milligrams per liter

nd: non detectable at testing limit

TDS: Total Dissolved Solids

MICROBIOLOGICAL WATER QUALITY:

Testing for bacteriological Contaminants in the distribution system is required by State regulations. This testing is done regularly to verify that the water system is free from coliform bacteria. The minimum number of tests required per month is one. In our distribution system, we test the water once per month for coliform bacteria. The highest number of samples found to contain coliform bacteria during any one month was zero.

LEAD & COPPER TESTING RESULTS:

Lead & copper testing of water from individual taps in the distribution system is required by State regulations. The table below summarizes the most recent sampling for lead and copper.

	Year	Number of samples collected	# of above AL	90 th Percentile Result (ppb)	AL	MCLG
Lead	2010	20	1	11.8	15	2
Copper	2010	20	2	351	1300	170

DETECTED CONTAMINANTS IN OUR WATER:

The following table gives a list of all detected chemicals in our water during the most recent sampling. Please note that not all sampling is required annually so in some cases our results are more than one year old. These values are expressed in ppm unless otherwise stated.

Updated 4/30/10

Chemical Detected	Year Test	Level Detect	MCL	PHG	Origin
Arsenic	2011	18.4 ppb	10	.004	Erosion & leaching of natural deposits; runoff from orchards; glass and electronics production wastes
Barium	2007	320 ppb	1000	2000	Discharge of oily drilling wastes and from metal refineries, Erosion & leaching of natural deposits
Iron	2004	240 ppb	300	None	Erosion & leaching of natural deposits
Manganese	2005	515 ppb	50	None	Erosion & leaching of natural deposits
Sodium	2004	120 ppm	None	None	Erosion & leaching of natural deposits
Hardness	2004	230 ppm	None	None	Erosion & leaching of natural deposits
TDS	2004	590 ppm	1500	None	Erosion & leaching of natural deposits
Chloride	2004	210 ppm	600	None	Erosion & leaching of natural deposits

GENERAL INFORMATION ON DRINKING WATER:

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 USEPA's Safe Drinking Water Hotline at 1-800-426-4791.

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 individuals, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The USEPA/Center for Disease Control guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline at 1-800-426-4791.

Arsenic:

This well produces water which exceeds the Federal Arsenic Standard of 10 parts per billion. Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory systems, and may have an increased risk of getting cancer. The California Department of Health Services continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and other circulatory problems.

SOURCE WATER ASSESSMENT:

A source water assessment has been completed for the well serving Barry Elementary School. The source is considered most vulnerable to the following activities not associated with any detected contaminants:

High-density septic systems

A copy of the complete assessment may be viewed at
DHS Valley District Office or at YCUSD Maintenance
415 Knollcrest Drive, Suite 110 1512 Stewart Road
Redding, CA 96002 Yuba City, CA 95991
Richard Hinrichs, 530-224-4867 Steve Plaxco, 530-822-5252

VIOLATION INFORMATION:

State records indicate that Well #2 exceeds the action level for manganese and lead. The water also exceeds the Federal Arsenic standard of 10 parts per billion. System has successfully applied and is currently awaiting State funding for a feasibility study to determine best solution in order to develop full plans for construction when additional State funds are made available.

Currently this site provides bottled drinking and cooking water at a variety of locations for public use – all drinking fountains have been disabled and posted.

ADDITIONAL INFORMATION: