

Banning Heights Mutual Water Company

7091 Bluff Street Banning, California 92220
Office (951) 849-2540 • Fax (951) 849-6068 • bhmwc@aol.com

June 8, 2015

RE: Annual Water Quality Report FY 2014

TO: All customers

Enclosed you will find our Annual Consumer Confidence Report (Water Quality Report) for the year 2014. Each year we provide you with this report which is mandated by the State Water Resources Control Board. Some water quality data will be unchanged from previous years due to sampling schedules. The current report will indicate what was detected during the year and any constituents that were sampled, but non detected would not be included in this report.

As you read our report you will notice that our water supply currently meets and exceeds the current standards and residents can be assured that ALL sampling data has been collected by BHMWC staff and analyzed by certified laboratories. It is the goal of Banning Heights Mutual Water Company to provide a continuous, safe, and reliable source of water to all residents.

Should you require any additional information, or have any specific questions regarding the enclosed report, please feel free to contact our business office. Our phone number is listed on the front page of this report.

Sincerely,



Steve Romberg , Board Vice President

Banning Heights Mutual Water Company

2014 Consumer Confidence Report

Water System Name: Banning Heights Mutual Water Co. Report Date: June 2, 2015

We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2014 and may include earlier monitoring data.

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

Type of water source(s) in use: Surface and Groundwater

Name & general location of source(s): Surface Water originates within the Whitewater River watershed area. South Fork and East Fork diversions are located at 7200' elevation within the San Bernardino National forest area. Groundwater sources are located within the Banning Bench Basin. Well #1 is located on Pump House Rd., and well #5 is located on Mesa St.

Drinking Water Source Assessment information: Our Source Water Assessment report was revised in 2015 and is on file at the company office located at 7091 Bluff Rd. Banning CA. Overall assessment indicated that our "surface" water has a very "low" risk of human contamination due to the location of the conveyance system and very rugged terrain. The potential for contamination to our "ground" water would be from agriculture and septic tank run-off impacting current nitrate levels. Detected amounts have not increased in recent years.

Time and place of regularly scheduled board meetings for public participation: Board Meetings are held on the second Monday of each month at 789 N. San Geronio Ave, Banning Ca 92220

For more information, contact: John Covington or Ken Falls Phone: (951) 849-2540

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 economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

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 U.S. Environmental Protection Agency (USEPA).

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.

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

Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

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

Variances and Exemptions: State Board permission to exceed an MCL or not comply with a treatment technique

Maximum Residual Disinfectant Level (MRDL):

The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG):

The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

under certain conditions.

ND: not detectable at testing limit

ppm: parts per million or milligrams per liter (mg/L)

ppb: parts per billion or micrograms per liter (µg/L)

ppt: parts per trillion or nanograms per liter (ng/L)

ppq: parts per quadrillion or picogram per liter (pg/L)

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

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- *Microbial contaminants*, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- *Pesticides and herbicides*, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- *Organic chemical contaminants*, including synthetic and volatile organic chemicals, that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- *Radioactive contaminants*, that can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the USEPA and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Tables 1, 2, 3, 4, 5, 7, and 8 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old.

TABLE 1 – SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA

Microbiological Contaminants (complete if bacteria detected)	Highest No. of Detections	No. of months in violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria	(In a mo.)	0	More than 1 sample in a month with a detection	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i>	(In the year)	0	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or <i>E. coli</i>	0	Human and animal fecal waste

TABLE 2 – SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER

Lead and Copper (complete if lead or copper detected in the last sample set)	Sample Date	No. of samples collected	90 th percentile level detected	No. sites exceeding AL	AL	PHG	Typical Source of Contaminant
Lead (ppb)	October 2014	10	5.1 ppb	0	15 ppb	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	October 2014	10	.190 ppm	0	1.3 ppm	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

TABLE 3 – SAMPLING RESULTS FOR SODIUM AND HARDNESS

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	March 2013/June 2014	11.7 ppm	5.1-17 ppm	none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm)	March 2013/June 2014	108 ppm	95-120 ppm	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

*Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided later in this report.

TABLE 4 – DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Gross Alpha pCi/L	March/ June 2014	1.66 pCi/L	1.09-2.53 pCi/L	15 pCi/L	N/A	Erosion of Natural Deposits
Uranium pCi/L	June 2014	.787 pCi/L	.787 pCi/L	20 pCi/L	.43	Erosion of Natural Deposits
Radium 226 pCi/L	June 2014	.032 pCi/L	.032 pCi/L	5 pCi/L	.05 pCi/L	Erosion of Natural Deposits
Radium 228 pCi/L	June 2014	.164 pCi/L	.164 pCi/L	15 pCi/L	.019 pCi/L	Erosion of Natural Deposits
Nitrates Mg/L	June 2014	11.6 Mg/L	0-20 Mg/L	45 Mg/L	45 Mg/L	Run off or leaching of fertilizer, septic tanks, sewage, and erosion of natural deposits.
Fluoride Mg/L	March/ June 2014	.5 Mg/L	.4 -.6 Mg/L	2.0 Mg/L	1.0 Mg/L	Erosion of natural deposits. Water additive which promotes strong teeth. Discharge from fertilizer and aluminum factories.
Total Trihalomethanes ug/l	August 2014	21 ug/l	20-22 ug/l	80 ug/l	N/A	Byproduct of drinking water disinfection. Causes liver, kidney, or central nervous system damage. Increase risk of cancer.
Haloacetic Acids	August 2014	4 ug/l	3.2-4.8 ug/l	60 ug/l	N/A	Byproduct of drinking water disinfection. Causes liver, kidney, or central nervous system damage. Increase risk of cancer.

TABLE 5 – DETECTION OF CONTAMINANTS WITH A <u>SECONDARY</u> DRINKING WATER STANDARD						
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Color- Units	March 2013	3.3 units	0.5.0 units	15 units	N/A	Naturally Occurring
Specific Conductance umho/cm	June 2014	200 umho/cm	200 umho/cm	1600 umho/cm	N/A	Substances that form ions when in water: seawater influence
Total Dissolved Solids Mg/L	June 2014	100 Mg/L	100 Mg/L	500 Mg/L	N/A	Run off leaching from natural deposits
Sulfate Mg/L	June 2014	6.0 Mg/L	6.0 Mg/L	500 Mg/L	N/A	Run off leaching from natural deposits
Turbidity NTU	June 2014	3.3 NTU	3.3 NTU	5 NTU	N/A	Soil runoff

*Any violation of an MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

Additional General Information on Drinking Water

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

Lead-Specific Language for Community Water Systems: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. [INSERT NAME OF UTILITY] is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

VIOLATION OF A MCL, MRDL, AL, TT, OR MONITORING AND REPORTING REQUIREMENT				
Violation	Explanation	Duration	Actions Taken to Correct the Violation	Health Effects Language
NONE				

For Water Systems Providing Ground Water as a Source of Drinking Water

TABLE 7 – SAMPLING RESULTS SHOWING FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLES					
Microbiological Contaminants (complete if fecal-indicator detected)	Total No. of Detections	Sample Dates	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
<i>E. coli</i>	(In the year) 0	N/A	0	(0)	Human and animal fecal waste
Enterococci	(In the year) 0	N/A	TT	n/a	Human and animal fecal waste
Coliphage	(In the year) 0	N/A	TT	n/a	Human and animal fecal waste

Summary Information for Fecal Indicator-Positive Ground Water Source Samples, Uncorrected Significant Deficiencies, or Ground Water TT

SPECIAL NOTICE OF FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLE				
None				
SPECIAL NOTICE FOR UNCORRECTED SIGNIFICANT DEFICIENCIES				
None				
VIOLATION OF GROUND WATER TT				
TT Violation	Explanation	Duration	Actions Taken to Correct the Violation	Health Effects Language
None				

TABLE 8 - SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES

(a) A required process intended to reduce the level of a contaminant in drinking water.

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

* Any violation of a TT is marked with an asterisk. Additional information regarding the violation is provided below.

VIOLETION OF A SURFACE WATER TT

Summary Information for Operating Under a Variance or Exemption

[illegible]