Town of Coldwater, MS

PWSID# 0690002

Water Quality Report
2014

Prepared by: Mitchell Technical Services, Inc
325 West McKnight
Murfreesboro, TN 37129

Is my water safe?

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

Report availability

This report is not mailed to the residents; however, it is published annually in the local paper and is also posted in the central office on the bulletin board for review.

Do I need to take special precautions?

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/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 Water Drinking Hotline (800-426-4791).

Where does my water come from?

Our water comes from 3 wells pumping from the Sparta Aquifer.

Source water assessment and its availability

Our source water assessment has been completed, and our wells were ranked LOWER in terms of susceptibility to contamination. For a copy of the report, please contact our office at (662) 622-7242.

Why are there contaminants in my 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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791).

Other information

Information including current and past boil water notices, compliance and reporting violations, and other information pertaining to your water supply including "Why, When, and How to Boil Your Drinking Water" may be obtained.

Certified Operator:	Bryan Lane	**Phone**	(662) 622-7242
Operations Firm:	MTS, Inc.	**Fax**	(662) 622-7242
Emergency Contact :	(662) 622-7242		

Water Quality Data Table

The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

Important Drinking Water Definitions:

ND: **Non-Detects:** Laboratory analysis indicates that the constituent is not present.

MCLG: **Maximum Contaminant Level Goal**: 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.

MCL: **Maximum Contaminant Level**: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

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

Units Description:

NA: Not applicable ND: Not detected

NR: Not reported MNR: Monitoring not required, but recommended.

ppm: parts per million, or **mg/l:** milligrams per liter
ppb: parts per billion, or **µg/l** : micrograms per liter

INORGANIC CONTAMINANTS

CONTAMINANTS SAMPLE DATE	MCL MCLG	YOUR WATER VIOLATION (Y / N)	LIKELY SOURCE OF CONTAMINANT
Barium 5/22/2013	2 ppm	0.0141 ppm N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits

NITRATES

CONTAMINANTS SAMPLE DATE	MCL MCLG	YOUR WATER VIOLATION (Y / N)	LIKELY SOURCE OF CONTAMINANT
Nitrate 5/19/2014	10 ppm	0.82 ppm N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Nitrite 5/19/2014	1 ppm	ND N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Nitrate-Nitrite 5/19/2014	10 ppm	0.82 ppm N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

DISINFECTANT BY-PRODUCTS

CONTAMINANTS SAMPLE DATE	MCL MCLG	YOUR WATER VIOLATION (Y / N)	LIKELY SOURCE OF CONTAMINANT
Haloacetic Acids (HAA5) 9/23/2013	60 ppb	6.0 ppb N	By-product of drinking water chlorination.
Total Trihalomethane (TTHM) 9/23/2013	80 ppb	43.7 ppb N	By-product of drinking water disinfection.

CONTAMINANT SAMPLE DATE	MRDL RANGE	RUNNING ANNUAL AVERAGE VIOLATION (Y / N)
Maximum Residual Disinfectant Level (MRDL) JAN 2014-DEC 2014	0.14 mg/L 1.79 mg/L	1.60 mg/L N

CB

SIGNIFICANT DEFICIENCIES

During a sanitary survey conducted on June 17, 2013, the Mississippi State Department of Health cited the following significant deficiency(s):

Improperly constructed well (ex: not properly grouted)

Unprotected cross connections

Inadequate security measures

Inadequate application of treatment chemicals and techniques (primary MCLs)

Corrective Actions: MSDH is currently working with this system to return them to compliance since the expiration of the compliance deadline. It is anticipated we will be returned to compliance by September 30, 2015.