MERIDIAN

City of Meridian

A better longitude on life.

2013 Annual Drinking Water Quality Report
May 15, 2014
PWS ID # 0380005

The City of Meridian is pleased to present to you this year's Annual Water Quality report. This report is designed to inform you about the quality of the water we produce and services we deliver to you everyday. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and to protect our water resources. We are committed to insuring the quality of your drinking water.

Our water source consists of eight wells pumping from the LOWER WILCOX AQUIFIER. The depth of these wells range from 747' to 948'. A source water assessment has been completed by the Mississippi State Department of Health and can be reviewed in the utility billing office at 311 27th Ave.

THE CITY IS PLEASED TO REPORT THAT OUR DRINKING WATER MEETS OR EXCEEDS ALL FEDERAL AND STATE REQUIREMENTS.

The City of Meridian *routinely monitors for 154 constituents or potential contaminants in your drinking water according to Federal and State Laws. Of these 154 constituents, we had* ***0 detects in 2013.*** *The table on the back shows the results of our monitoring for the period of* ***January 1st to December 31st, 2013.***

Fluoride. *To comply with the "Regulation Governing Fluoridation of Community Water Supplies", the CITY OF MERIDIAN is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year that the average fluoride sample results were within the optimal range of 0.7—1.3 ppm was 12. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7—1.3 ppm was 96%.*

Important Information Regarding Your Drinking Water

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or manmade. These substances can be microbes, inorganic or organic chemicals and radioactive substances. 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 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.***

VULNERABLITITY:

Some people may be more vulnerable to contaminants in drinking water than the general population. Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure. Immune-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 advise about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline ***(1-800-426-4791).***

Lead*. Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your tap water, you may wish to have your water tested. You may also want to flush your tap for at least 30 seconds before consumption. Additional information is available from the Safe Drinking Water Hotline* ***(1-800-426-4791).***

QUESTIONS:

We at the City of Meridian work around the clock to provide top quality water to every tap. If you have any questions about this report or concerning your water utility, please contact Jimmy Eckman, Chief Utility Plant Operator, at 1598 B-Street or call 601-485-1975. We want our valued customers to be informed about their water utility. ***If you want to learn more please attend our scheduled meeting on Tuesday, June 17, 2014 at 4:00 PM, in the Auditorium on the 3rd floor of City Hall at 601 23rd Avenue.*** *We ask that all our customers help us protect our water sources, which are the heart of our community , our way of life and our children's future.*

Sincerely,

Hugh Smith, Public Works Director

DID YOU KNOW? *The City of Meridian:*

Was incorporated on February 10, 1860.

Has a population of 40,832.

Has approximately 17,900 water services in place with an average of 13,400 active accounts.

Maintains approximately 425 miles of water lines and 425 miles of sewer lines.

Has two freshwater treatment plants that produced 2.08 billion gallons of water in 2013.

Has two wastewater treatment plants that treated approximately 2.98 billion gallons of raw sewage last year

Maintains approximately 60 lift stations.

Covers 54.3 square miles.

Has 438 miles of paved streets.

Has 6,637 street lights

Employs 500 full time workers and approximately 30—80 part time workers during the summer

Bad Debt was less than .0066 of 1% of total services billed. For every $100 billed all but $ .66 cents was collected.

Has 5 above ground storage tanks that have the total capacity of storing 12 million gallons of water.

WATER QUALITY TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level or Range of Level Detected	Your Water	#of Samples Taken	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Microbiological Contaminants									
Total Coliform	N	Jan—Dec	0		50/month	N/A	0	Presence in 5% of monthly samples	Naturally present in the environment
Fecal Coliform and E. coli	N	Jan—Dec	0		50/month	N/A	0	0	Human and animal fecal waste
Inorganic Contaminants:									
Barium *	N	2009	.029458		2	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Chromium *	N	2009	.000753		2	ppm	.1	.1	Discharge from steel and pulp mills; erosion of natural deposits.
Copper	**N**	2011-2013	.0121		32	ppm	1.3	AL 1.3	Corrosion of household plumbing systems; erosion of natural deposits; leading from wood preservatives.
Cyanide	N	2013	<0.015		2	Ppm	0.2	0.2	Discharge from steel/metal factories; discharge from plastic and fertilizer factories.
Lead	**N**	2011-2013	.002		32	ppm	0	AL 15	Corrosion of household plumbing systems, erosion of natural deposits.
Nitrate (as Nitrogen)	N	Feb	< 0.08		2	ppm	10	10	By product of drinking water chlorination.
Nitrite (as Nitrogen)	N	Feb	< 0.02		2	ppm	1	1	By product of drinking water chlorination.
Nitrate + Nitrite (as Nitrogen)	N	Feb	<0.1		2	ppm	10	10	By product of drinking water chlorination.
Volatile Organic Contaminants:									
TTHM [Total trihalomethanes]	N	Nov	Low - High 1.4 - 11.65		4	ppb	NA	80	By-product of drinking water chlorination.
HAA5 Haloacetic Acids	N	Nov	Low - High 1.0 - < 6.0		4	ppb	NA	60	By product of drinking water chlorination
Chlorine (as $C1_2$) (ppm)	N	Jan.—Dec	Low - High 0.50 - 3.60	Highest QTR RAA 1.90mg/L	50/month	ppm	4	4	Water additive used to control microbes
Radionuclides									
Uranium	N	2013	<0.5		2	ppb	0	30	Erosion of natural deposits

*** No Samples required in 2012.**

TERMINOLOGY:

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Parts per million (Ppm) or Milligrams per liter (mg/L) - *one part per million corresponds to one minute in two years or a single penny in $10,000.*

Parts per Billion (Ppb) or Micrograms per liter (ug/L) - *one part per billion corresponds to one minute in 2,000 years or a single penny in $10,000,000.*

Maximum Contaminant Level (MCL) - *The "Maximum Allowed" - 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.*

Maximum Contaminant Level Goal - (MCLG) - *The "Goal" - the level of a contaminant in drinking water below, which there is no known or expected risk of health. MCLGs allow for a margin of safety.*

Quarterly (QTR) - *occurring once every quarter of a year*

Running Annual Average (RAA) - *an annual average that is continuously calculated*