2023 ANNUAL DRINKING WATER QUALITY REPORT
KIPLING WATER ASSOCIATION
SYSTEMS # 1, 3 & 4

This report is a snapshot of last year's water quality. Included are details of where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. As you can see by the table, **our systems had no violations**. We're proud that your drinking water meets or exceeds all Federal and State requirements. Though some contaminants were detected the EPA has determined that your water is safe at these levels.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons 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 microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Our water source for System #1 consists of four wells pumping groundwater from the Lower Wilcox Aquifer. Our source water assessment has been completed and is now available. This assessment details the systems' susceptibility to potential sources of contamination. A moderate to low susceptibility was found for System #1. A low susceptibility was found for Systems #3 and #4. We buy water from the Town of DeKalb for System #3 and the DeKalb Town Hall has a copy of their source water assessment. We buy water from Northwest Kemper for System #4 and their source water assessment is available upon request.

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 (1-800-426-4791).

Our board meets on the last Tuesday of every month at 6 p.m. at the EMEPA building in DeKalb, MS. We encourage all customers who have any concerns or questions to meet with us. Our annual membership meeting will be held August 13th at 7 p.m. in the courtroom of the Kemper County Courthouse.

INFORMATION ABOUT LEAD

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. Kipling Water Association 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. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601-576-7582 if you wish to have your water tested.

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 from this table is from testing done in the calendar year of the report. The EPA and/or the State requires us to monitor for certain contaminants less than once a year because the concentrations of the contaminants do not change frequently.

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

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

Maximum Contaminant Level – The "Maximum Allowed" (MCL) is 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 – The "Goal" (MCLG) 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.

Contaminant	Violation Yes/No	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/AL	Unit Measure	MCLG	MCL	Typical Source
PWS ID# 0350002 System #1 Treatment Plant #1								
INORGANIC CONTAMINANTS								
Barium	No	2022	0.0441	None	ppm	2	2	Discharge of drilling waste; discharge from metal refineries; erosion of natural deposits
Lead	No	2023	5	None	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
Nitrate	No	2023	0.176	None	ppm	10	10	Runoff from fertilizer use; leaching from septic

								tanks, sewage; erosion of natural deposits
UNREGULATED CONTAMINANTS								
Sodium	No	2022	2.54	None	ppm	20	0	Road salt, water treatment chemicals, water softeners, and sewage effluents
DISINFECTANTS & DISINFECTION BY-PRODUCTS								
There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.								
Chlorine	No	Jan-Dec	0.80	.60 - 1.00	ppm	4	4	Water additive to control microbes

System #1 Treatment Plant #2

INORGANIC CONTAMINANTS								
Barium	No	2022	0.0644	None	ppm	2	2	Discharge of drilling waste; discharge from metal refineries; erosion of natural deposits
Nitrate	No	2023	0.141	None	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
UNREGULATED CONTAMINANTS								
Sodium	No	2022	2.37	None	ppm	20	0	Road salt, water treatment chemicals, water softeners, and sewage effluents

PWS ID# 0350019 System #3

INORGANIC CONTAMINANTS								
Barium	No	2022	0.0914	None	ppm	2	2	Discharge of drilling waste; discharge from metal refineries; erosion of natural deposits
DISINFECTANTS & DISINFECTION BY-PRODUCTS								
There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.								
Chlorine	No	Jan-Dec	0.70	0.20-0.80	ppm	4	4	Water additive to control microbes
UNREGULATED CONTAMINANTS								
Sodium	No	2022	9.81	None	ppm	20	0	Road salt, water treatment chemicals, water softeners, and sewage effluents

PWS ID# 0350026 System #4-Gholson

INORGANIC CONTAMINANTS								
Barium	No	2022	.0125	None	ppm	2	2	Discharge of drilling waste; discharge from metal refineries; erosion of natural deposits
Lead	No	2022	2	None	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
Nitrate	No	2023	0.804	None	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
DISINFECTANTS & DISINFECTANT BY-PRODUCTS								
There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.								
Chlorine	No	Jan-Dec	1.3	0.80-1.40	ppm	4	4	Water additive to control microbes
HAA5	No	2022	1.85	None	ppb	0	80	By-product of drinking water chlorination
UNREGULATED CONTAMINANTS								
Sodium	No	2022	2.21	None	ppm	20	0	Road salt, water treatment chemicals, water softeners, and sewage effluents

If you have any questions about this report or concerning your water utility, please contact our senior certified water operator, W. H. Dixon, Jr. at 601-743-5800. Copies of this report will not be mailed out individually, but are available at the DeKalb EMEPA office. **For routine business or in case of emergencies, call the De Kalb office of EMEPA at 601-743-2641.**