WKMM Rural Water Association
2012 Annual Drinking Water Quality Report

We’re pleased to present to you this year’s Annual Drinking Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our goal is to provide you with a safe and dependable supply of drinking water, and we want you to understand, and be involved in, the efforts we make to continually improve the water treatment process and protect our water resources.

Where Does Our Drinking Water Come From?
The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. We purchase treated water from McGehee Water Department whose sources are three wells that pump from the Sparta Sand Aquifer.

How Safe Is The Source Of Our Drinking Water?
The Arkansas Department of Health has completed a Source Water Vulnerability Assessment for McGehee Waterworks. The assessment summarizes the potential for contamination of our sources of drinking water and can be used as a basis for developing a source water protection plan. Based on the various criteria of the assessment, our water sources have been determined to have a medium susceptibility to contamination. You may request a summary of the assessment from our office.

What Contaminants Can Be In Our Drinking Water?
As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, 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, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; Inorganic contaminants such as salts and metals, which 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 which 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, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; Radioactive contaminants which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to assure tap water is safe to drink, EPA has regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Am I at Risk?
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. However, 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 small amounts of contamination. These people should seek advice about drinking water from their health care providers. 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. In addition, EPA/CDC guidelines on appropriate means to lessen the risk of infection by microbiological contaminants are also available from the Safe Drinking Water Hotline.

Lead and Drinking Water
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. We are 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.
How Can I Learn More About Our Drinking Water?

If you have any questions about this report or concerning your water utility, please contact Tollie Barnes, Office Clerk, or Charles Beasley, Operator, at 870-690-0220. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first Saturday of each month at 10:00 AM at, 389 Smith Loop Road in McGehee.

TEST RESULTS

We and McGehee Waterworks routinely monitor for constituents in your drinking water according to Federal and State laws. The test results table shows the results of our monitoring for the period of January 1st to December 31st, 2012. In the table you might find terms and abbreviations you are not familiar with. To help you better understand these terms we’ve provided the following definitions:

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

**Maximum Contaminant Level (MCL)** – 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)** – unenforceable public health 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.

**Maximum Residual Disinfectant Level Goal (MRDLG)** – the 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 (MRDL)** – 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.

**Parts per billion (ppb)** – a unit of measurement for detected levels of contaminants in drinking water. One part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.

**Parts per million (ppm)** – a unit of measurement for detected levels of contaminants in drinking water. One part per million corresponds to one minute in 2 years or a single penny in $10,000.

### MICROBIOLOGICAL CONTAMINANTS

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Violation Y/N</th>
<th>Level Detected</th>
<th>Unit</th>
<th>MCLG (Public Health Goal)</th>
<th>MCL (Allowable Level)</th>
<th>Major Sources in Drinking Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Coliform Bacteria</td>
<td>N</td>
<td>None</td>
<td>Present</td>
<td>0</td>
<td>1 positive sample per month</td>
<td>Naturally present in the environment</td>
</tr>
</tbody>
</table>

#### LEAD AND COPPER TAP MONITORING

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Number of Sites over Action Level</th>
<th>90th Percentile Result</th>
<th>Unit</th>
<th>Action Level</th>
<th>Major Sources in Drinking Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>0</td>
<td>&lt;0.003</td>
<td>ppm</td>
<td>0.015</td>
<td>Corrosion from household plumbing systems; erosion of natural deposits</td>
</tr>
<tr>
<td>Copper</td>
<td>0</td>
<td>&lt;0.20</td>
<td>ppm</td>
<td>1.3</td>
<td></td>
</tr>
</tbody>
</table>

* We are currently on a reduced monitoring schedule and required to sample once every three years for lead and copper at our customers' taps. The results above are from our last monitoring period in 2012. Our next required monitoring period is in 2015.

### REGULATED DISINFECTANTS

<table>
<thead>
<tr>
<th>Disinfectant</th>
<th>Violation Y/N</th>
<th>Level Detected</th>
<th>Unit</th>
<th>MCLG (Public Health Goal)</th>
<th>MRDL (Allowable Level)</th>
<th>Major Sources in Drinking Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorine</td>
<td>N</td>
<td>Average: 0.61</td>
<td>ppm</td>
<td>4</td>
<td>4</td>
<td>Water additive used to control microbes</td>
</tr>
</tbody>
</table>

#### BY-PRODUCTS OF DRINKING WATER DISINFECTION

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Violation Y/N</th>
<th>Level Detected</th>
<th>Unit</th>
<th>MCLG (Public Health Goal)</th>
<th>MCL (Allowable Level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAAS [Haloacetic Acids]</td>
<td>NA</td>
<td>11.7</td>
<td>ppb</td>
<td>0</td>
<td>60</td>
</tr>
<tr>
<td>TTHM [Total Trihalomethanes]</td>
<td>NA</td>
<td>38.9</td>
<td>ppb</td>
<td>NA</td>
<td>80</td>
</tr>
</tbody>
</table>

* We are currently on a reduced monitoring schedule and required to sample once every three years for Total Trihalomethanes and Haloacetic Acids in our distribution system. The results above are from our last compliance monitoring period in the spring quarter of 2011. Our next compliance monitoring period is in 2014.

* These are investigative samples, collected for EPA under the Disinfectants Disinfection By-Products Rule. MCLs are not applicable to investigative monitoring.

### VIOLATIONS - WKMM Rural Water Association

<table>
<thead>
<tr>
<th>TYPE: Public Education</th>
<th>FROM: 9/5/2012</th>
<th>TO: 4/12/2013</th>
<th>CORRECTIVE ACTION: Consumer notice issued to the public</th>
</tr>
</thead>
</table>

Public Notice
Walker Water Association recently violated the National Primary Drinking Water Standards for Lead and Copper. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we have done to correct this situation.

Walker Water Association monitors our drinking water for lead and copper. Walker Water Association is required to provide Consumer Notification of lead results within 30 days of their receipt. We did not complete the required Consumer Notification within the specified time period. As such, we were issued a violation on 1/24/2013.

This is not an emergency. If it had been you would have been notified within 24 hours. Consumer Notification is a requirement of the National Primary Drinking Water Standards for Lead and Copper, for all consumers submitting water samples for Lead and Copper analysis. The action level for lead is 0.015 mg/L or 15 parts per billion. The lead level for our system is 3 parts per billion. Walker Water Association will conduct further testing for lead and copper in our water during the next monitoring period.

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.

The greatest risk is to infants, children and pregnant women. However, if the concentration is high enough adults could be affected. If you have specific health concerns, consult your doctor.

Boiling your water will not remove lead. As well, many water filtering systems may not remove lead either. If you continue to drink water from your tap, allow the water to run for 1 to 2 minutes before using the water for drinking or cooking. Do not drink or cook with water from the hot water side. If you wish you may drink and cook with bottled water.

We completed the required Consumer Notice on ____________________.

Walker Water Association will return to compliance on ____________________ (date the CCR is made public).

For more information, please contact Charles Beasley of the Walker Water Association at 870-222-8487 or you may write to Walker Water Association at P.O. Box1024, McGehee AR, 71654.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

This notice is being sent to you by the Walker Water Association.

Arkansas PWS ID # 700 Sent: 5/3/2013

END OF NOTICE