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 of water used in your home as well as the results of water-quality testing done for your safety. We have established goals for the quality of water to meet both the health needs of the public and to provide the same protection for public health. 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.

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 provide treated surface water from Beaver Water District whose source is Beaver Lake.

How Safe Is The Source Of Our Drinking Water?
The Arkansas Department of Health has completed a Source Water Vulnerability Assessment for Beaver Water District. The assessment summarizes the potential for contamination of our source 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 source has been determined to have a low susceptibility to contamination. You may request a summary of the Source Water Vulnerability 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 aerial and aerial spray 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 primarily from lead service lines and soldered household plumbing components. 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 William Evans, Water Field Manager, at 479-936-5423. 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 third Monday of each month at 4:00 PM at the Rogers Water Utilities at 601 South Second Street, Rogers, AR.

TEST RESULTS
We and Beaver Water District 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, 2013. 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 (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.

NA – not applicable

Nephelometric Turbidity Unit (NTU) – a unit of measurement for the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

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 two years or a single penny in $10,000.
### MICROBIOLOGICAL CONTAMINANTS

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Violation</th>
<th>Level Detected</th>
<th>Unit</th>
<th>MCLG (Allowable Level)</th>
<th>MCL (Public Health Goal)</th>
<th>Major Sources in Drinking Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Coliform Bacteria (Rogers Water Utilities)</td>
<td>N</td>
<td>Highest monthly percentage of positive samples: 2.66%</td>
<td>Present</td>
<td>0</td>
<td>Presence of Coliform bacteria in 5% of monthly samples</td>
<td>Naturally present in the environment</td>
</tr>
</tbody>
</table>

### TURBIDITY

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Violation</th>
<th>Level Detected</th>
<th>Unit</th>
<th>MCLG (Allowable Level)</th>
<th>MCL (Public Health Goal)</th>
<th>Major Sources in Drinking Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turbidity (Beaver Water District)</td>
<td>N</td>
<td>Highest yearly sample result: 0.14</td>
<td>NTU</td>
<td>NA</td>
<td>Any measurement in excess of 1 NTU constitutes a violation</td>
<td>Soil runoff</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lowest monthly % of samples meeting the turbidity limit: 100%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Turbidity is a measurement of the cloudiness of water. Beaver Water District monitors it because it is a good indicator of the effectiveness of their filtration system.

### INORGANIC CONTAMINANTS

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Violation</th>
<th>Level Detected</th>
<th>Unit</th>
<th>MCLG (Allowable Level)</th>
<th>MCL (Public Health Goal)</th>
<th>Major Sources in Drinking Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluoride (Beaver Water District)</td>
<td>N</td>
<td>Average: 0.57 ppm Range: 0 – 0.77</td>
<td>ppm</td>
<td>4</td>
<td>4</td>
<td>Erosion of natural deposits; water additive which promotes strong teeth</td>
</tr>
<tr>
<td>Nitrate [as Nitrogen] (Beaver Water District)</td>
<td>N</td>
<td>0.34 ppm</td>
<td>ppm</td>
<td>10</td>
<td>Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits</td>
<td></td>
</tr>
</tbody>
</table>

### LEAD AND COPPER TAP MONITORING

- We are currently on a reduced monitoring schedule and required to sample once every three years for lead and copper at the customers' taps. The results above are from our last monitoring period in 2013. Our next required monitoring period is in 2016.

### TOTAL ORGANIC CARBON

- The percentage of Total Organic Carbon (TOC) removal was routinely monitored by our supplier, Beaver Water district, in 2013, and all TOC removal requirements set by USEPA were met. TOC has no health effects. However, Total Organic Carbon provides a medium for the formation of disinfection by-products. These by-products include Trihalomethanes (THMs) and Halogenated Acids (HAs).

### REGULATED DISINFECTANTS

<table>
<thead>
<tr>
<th>Disinfectant</th>
<th>Violation</th>
<th>Level Detected</th>
<th>Unit</th>
<th>MCLG (Allowable Level)</th>
<th>MCL (Public Health Goal)</th>
<th>Major Sources in Drinking Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorine (Rogers Water Utilities)</td>
<td>N</td>
<td>Average: 0.61 ppm Range: 0 – 1.46</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

- The levels detected for HAAS & THM are from investigative (or preliminary) monitoring performed under the upcoming Stage 2 Disinfectants and Disinfection Byproducts Rule (Stage 2 DBPR). The purpose of the Stage 2 DBPR is to increase public health protection by having us meet the HAAS and THM allowable levels (MCLs) as an annual average at specific locations and not just averaging the entire system. This is a tougher standard and when the Rule goes into effect some localities will have trouble meeting it. To assist us in meeting these stricter requirements we are taking investigative samples to work on reducing HAAS and THMs throughout the distribution system before the new Rule goes into effect. MCL violations are not applicable to investigative monitoring.

### UNREGULATED CONTAMINANTS

- Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. MCLs (Maximum Contaminant Levels) and MCLGs (Maximum Contaminant Level Goals) have not been established for all unregulated contaminants.