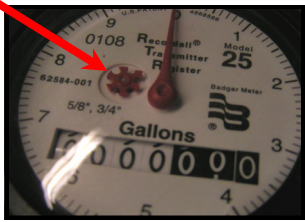


## Water - Past, Present and Future Cont'd

toilets and hydrants closed and see if the water leak wheel is turning on the meter. Remove the lid, place it to the side, lift the brass cover on the meter and observe the small wheel above the water use recording numbers. If the wheel is moving, water is passing through the meter. If the residence is not



using water anywhere, you likely have a leak. Any water passing through the meter is water used and paid for by the customer. Once you have checked for possible leaks, replace the lid and turn the 5-sided nut to hold the lid securely. It is not necessary to tighten the locking device down to extremes. Simply tighten it down firmly only. Remember that you may need to remove the lid in the future!



Each year, and especially after a period of rain and or winter weather, your water district must repair

exposed lines in small ditches and at stream crossings. The exposed line must be rerouted through a new bore and the line spliced to eliminate any leakage potential at the spot. A new location is bored and the line is pulled into place. A backhoe is used to prepare a hole where the ends of the old pipe and the connection with the new line portion can be properly spliced together. It is often a muddy and wet task, but the end result is a line that provides continuous, uninterrupted flow of water to our customers.



## Planned

*The revised Highway 63 By-Pass will require some relocation of existing lines. Those relocations will be south of Highway 6 to the point where the By-Pass connects near Eagle Trail.*

*ACPWSD #1's 5-Year Plan which is designed to address needs within the system is up-to-date. Some transmission lines will be replaced, while other lines will be "looped." The end result will be better service to our customers and less service interruption.*

*The credit card payment process is in place and enables customers to conveniently pay at the window or over the phone. Delinquent bills and charges resulting from shutoffs still require in-person payment at the office on North Green Street.*

*ACPWSD#1 is an associate member of the North Central Missouri Regional Water Commission to keep options available for future water sources for our valued customers.*

### ACPWSD #1 Staff

Dennis Brawner—District Manager and Board Treasurer  
Todd Hill—Assistant District Manager  
Gina Moran—District Clerk and Board Secretary  
Pam Lutz—Posting Clerk  
Cathy Gregory—Cashier Clerk  
Gerald Snelling—District Serviceman

### Board Members

Brent Motter-President  
Dwight Hart-Vice-President  
Bill Sanders-Member  
Gregg Fast-Member  
Tom-Primmer-Member



## Adair County Public Water Supply District #1



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*“All day I face the barren waste . . . Without the taste of water, cool water . . .”*

## Water - Past, Present and Future

We are always interested in the best sources of great tasting, quality water. And just exactly what is water? A dictionary definition is: “Water, odorless, tasteless, transparent liquid that is colorless in small amounts but exhibits a bluish tinge in large quantities. It is the most familiar and abundant liquid on earth. In solid form (ice) and liquid form it covers about 70% of the earth’s surface. It is present in varying amounts in the atmosphere. Most of the living tissue of a human being is made up of water; it constitutes about 92% of blood plasma, about 80% of muscle tissue, about 60% of red blood cells, and over half of most other tissues. It is also an important component of the tissues of most other living things.” (<http://plus.aol.com/aol/reference/water>)

Since the early 70’s your ACPWSD#1 has been making available high quality water that pools in a blue tint to County residents. The cost of water has increased in cost in that time, but water is still less than a cent and a half per gallon delivered to the tap. And the initial investment that formed the ACPWSD#1 has been repaid.

Our most recent project that of installing a remote read billing system is complete. From the time of bid opening in March to completion by December 15<sup>th</sup> in 2008, your district took a huge step forward in providing continuous water to each customer, in enabling each customer to easily know monthly water usage, in being informed about potential leaks or abnormal water

usage and in having an easily understood and clearly printed record. Every meter was replaced, meter pits in poor repair were replaced, pits were leveled or raised, and all had new plastic lids installed to hold the remote radio reading transmitter installed. And as a part of this project, a new master meter and booster pumps were installed on West Missouri Street. Each master meter measures the water that is purchased from the supplier, in this case



the City of Kirksville, and booster pumps enable pressured water in the lines to that point to be “boosted in pressure” to help ensure constant pressure and delivery of water at further locations. The almost \$1.2 million dollar project used a grant of \$500,000 matched with district funds of nearly \$700,000.

District personnel travel near (the signal can transmit up to ¼ mile) all meters each month on one of two prescheduled days to “read” the signal. A computer in the truck reads and records the accurate reading of each meter. Should a meter not “read”, a special tone on the computer alerts the driver that a unit is missed. Another tone indicates a possible excessive usage at a meter. Once the readings are collected, the data is

downloaded to the district main computer and the program calculates each bill. Within a short time bills are completed and mailed so that they arrive near the beginning of each month.

There are some points that may be of interest to each water district client. Every water user is responsible for the meter. It must be protected from freezing in cold weather, but not covered with anything that prevents the signal from the transmitter from being recognized by the computer in the truck. Small bales of hay, a piece of carpet or blanket, insulation of some form in a bag where water cannot collect and render the insulation useless will work. The lids are more lightweight that the older metal lids and can be lifted off the meter pit by the suction of a lawnmower. To prevent the lid from being easily lifted, a 5-sided nut is visible while looking at the lid. A wrench is available for \$30 from the district office, but a 1” socket



or 1” box end wrench can also be used. The safest policy is to **NEVER MOW OVER** the lid. Not only is the lid expensive, but the transmitter is attached under the lid. Both will be damaged beyond further use and the cost of replacement will be the responsibility of the user.

And let’s consider that you may want to perform a check to see if you have a potential leak at your residence or connection. And water leaks can happen to anyone. Check with all of the faucets, appliances,