



# The WATER WORKS

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www.wylienortheastwater.com

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*\*On-line credit card payments are up and working great!*

*\*Pay your water bill on-line at [ww.wylienortheastwater.com/](http://ww.wylienortheastwater.com/).*

*\*It is time to get ready for the cold winds of winter both inside and outside of your home.*

*\*Wylie Northeast SUD readies service to KEP Business Park .*

*\* Emergency number, 24-hours a day: 972-442-2075.*

## Points From The President

**A**s many of you are aware, your board has adopted an aggressive water line replacement plan which will kick off in the very near future. By the summer of 2008, we should have redone several miles of upgrades to existing lines. The upgrades are necessary to increase flow and remove problem sections of line from the system. This step will help the district reduce water loss from line breaks and will free up our system operators to better monitor new restrictions being enforced by TNRC.

Once again, we can't thank each of you enough for your voluntary conservation during our drought. With Lavon at or near pool level, the restrictions have been removed, but we still urge everyone to watch their usage. Something as simple as making sure the toilet stops running after a flush cycle can save you \$\$\$ on your water bill. Please remember that winter is coming quickly, and we should all take steps to protect outside faucets and irrigation systems. Also be sure to have your outside irrigation backflow preventers checked and

certified by an approved operator. We do offer the service through the water district office, and the fee will be added to your monthly water bill.

May all of you have a wonderful holiday season, and may God bless each of you during this special time of the year.

Jimmy Beach

President  
Wylie Northeast Special  
Utility District.

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### Message from the Manager

There has been much recent activity by WNESUD, both inside and outside the office says General Manager Sue Jones. In an effort to plan for our growth in the area WNESUD serves, we began the sale of revenue bonds on November 1st through Tex-Star.

The response to the online payment of water bills is increasing. Now there is a terminal where walk-in

customers can process payments in the office. The next step will allow customers to make check payments on the Web page.

All customers with a well on their property are required to have a backflow prevention assembly installed per TCEQ directives. We have 14 customers on our system with wells and we will be contacting them concerning

this requirement.

The monthly tank inspections continue. Everything looks okay despite the thousands of wasps making nests at the bottom of the bowls. We are unable to destroy the nests at this time because of the location of the nests.

Happy Holidays!

Mrs. Sue Jones, G.M.

# Wise to Winterize



## Energy Saving Water Tips

As this newsletter goes to press, it is mid-November and the temperature is 77°. The sun is shining from a clear blue sky. To think about getting ready for winter temperatures today is certainly difficult, but a necessity for old man Winter will blow in here soon, surely!

While the weather is still warm it is wise to have your heating system checked because you don't want to wait until the temperature drops to find out your furnace is broken. If you don't use a heating and cooling service then turn on the heat and check it out to be sure that everything is working correctly.

If your furnace runs on propane, check your gauge to see if the level is low enough to warrant topping off your tank. You may have a properly working heating system, but without fuel it just won't run.

It is a good idea to check all your outdoor pipes. If the pipes are in a location where they just might freeze, then consider wrapping insulation around them as a precaution.

Precut foam lengths are ideal for covering coldwater pipes in crawl spaces, the attic and pipes running above your ceiling between floors. Covering hot water pipes is also a good idea. Doing so insures the hot water running to your sinks, lavatories, showers, tubs and laundry room is still hot when it reaches its destination. When the hot water quickly reaches your shower, less time and water are wasted, and you can start your shower sooner.

Listen to the weather forecasts daily so you can prepare and you are not surprised when we have a cold snap or ice storm.

In case of a waterline break or service problems, know how and whom to report it. **The 24-hour number is 972-442-2075.**

Tape the emergency phone number of Wylie Northeast Special Utility District on your refrigerator.

Keep bottled water on hand, paper plates and plastic utensils. Canned food stored with a can opener might be necessary in case of a lengthy repair, and keeping chocolate on hand might also be nice. Be assured Wylie Northeast Special Utility District will work to quickly bring your water back online as quickly as possible.

Don't forget to winterize your swimming pools, fountains and reflecting pools, spas, sprinkler systems, and outdoor kitchens. Turn these off if they are malfunctioning. Unfasten water hoses from outside faucets.

Install a rain shut-off device on your automatic sprinklers to eliminate unnecessary watering. Teach your family how to turn off automatic watering systems. Only water your lawn every 10 to 14 days in the winter. More plants die from overwatering than withholding water. If you water too much or too often, moisture could seep inside your home which can be expensive, not to mention cause allergy problems from accumulating mold. Harvard's School of Public Health reports that 50% of homes in America suffer moisture damage and mold problems from improper discharge of water. The ground around your home should be sloped away from the house so rainwater can run away from your home. Keep your gutters clean and repaired.

In Texas we say that if you don't like the weather, just wait a few minutes and it will change. No one, not even the weatherman can predict the weather. That is why it is necessary to prepare for upcoming climate changes. Don't be caught off guard. Prepare!

All leaks should be fixed as soon as they appear. The longer you put off the repair, the more precious water you waste. Even though we are out of the severe drought stage we still need to conserve water for our future and for the future of our grandchildren.

Farmers Electric Cooperative says, "A hot water leak of one drip per second can cost \$1 per month in electricity to heat the water." It also costs extra dollars per month for the wasted water on your water bill. Replace your water heater if it leaks. A leaking water heater can necessitate unnecessary home improvement costs.

Federal regulations stipulate that all new showerheads must not exceed more than 2.5 gallons per minute at a water pressure of 80 pounds per square inch psi. Fixtures meeting this criteria are inexpensive. Low-flow fixtures can cost as little as \$10 to \$20 and give you a water savings of 25% to 60% on your water bill.

The two types of showerheads are aerating and laminar-flow. Aerating heads are self explanatory as water is mixed with air for a misty spray. Laminar-flow fixtures spray individual streams of water. This type produces less steam and moisture into your home.

## North Texas Municipal Water District Meets Demands

The growing water demands and dwindling ground water supplies in the 1940s concerned the community leaders. At that time these visionaries petitioned the federal government and were authorized to begin the construction of Lavon Lake in 1945. Construction began in 1948.

Treated water deliveries of potable water needs began in north Texas area in 1956. Currently NTMWD utilizes water surface supplies from Lavon Lake, Lake Texoma, and Lake Chapman. The water treatment process removes particulates, impurities, and water-borne microorganisms utilizing state-of-the-art technology and barriers in the treatment process in order to deliver tap water that is safe and reliable for public use. Major construction projects include the expansion of Water Treatment Plant III; construction is underway on Water Treatment Plant IV. Plant IV will mirror Plant III with a treatment capacity of 280 MGD, bringing the ultimate system capacity to 910 MGD.

By 1957, the service area population for NTMWD was just over 32,000 in a 1,600 square mile area. With the dramatic growth in the area, NTMWD provides dependable water service for over 1.3 million citizens. Recently McKinney was named the fastest growing city in the country. It is one of the 59 cities served by NTMWD. The plan is to continue to provide high-quality drinking water that meets all state and federal standards for quality and safety in the rapidly growing region over the next 50 years. NTMWD's forecasts that by 2020, it may need to supply 700,000 more people than it serves today. To put this into perspective, the system will need to add the equivalent of one Lavon Lake every ten years for the next 50 years to meet the growing population.

### RECOMMENDED WATER MANAGEMENT STRATEGIES

- ◆ Conservation
- ◆ Interim treated water purchase from Dallas Water Utilities
- ◆ Additional Wilson Creek reuse project
- ◆ East Fork reuse project
- ◆ Additional Lavon Lake yield
- ◆ Interim purchase of Lake Texoma water from GTUA/Sherman
- ◆ Upper Sabine Basin Supply
- ◆ New supply from Lake Texoma
- ◆ Lower Bois D'Arc Creek Reservoir
- ◆ Fannin County water supply system
- ◆ Marvin Nichols Reservoir
- ◆ Oklahoma water
- ◆ Water treatment plan and distribution improvements

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# Happy Holidays!

## Conservation and Reuse

NTMWD has two plans in place: MTMWD's own water conservation plan; and a model water conservation plan. Both plans follow the guidelines and requirements of the Texas Commission on Environmental Quality.

The objectives are: reduce water consumption from the levels that would prevail without conservation efforts; reduce the loss and waste of water; improve efficiency in the use of water; document the level of recycling and reuse in water supply; and extend the life of current water supplies by reducing the rate of growth in demand.

### NTMWD works to do the following:

- ◆ Decrease waste in lawn irrigation through landscape management regulations.
- ◆ Keep the per capita municipal water use below the specified amount in gallons per capita per day in a dry year.
- ◆ Keep the level of unaccounted water in the system below 12% annually beginning in 2008.
- ◆ Maintain a program of universal metering and meter replacement and repair.
- ◆ Development system-specific strategies to conserve water during peak demands, thus reducing peak use.

Conservation alone will not meet the future water needs of the area. The least complicated and cost-efficient way to quench the region's thirst will be through a process known as reuse. Projects are already in progress on the East Fork Reuse Project near Crandall that will begin providing 'raw water' by 2008. Water from the East Fork of the Trinity River will be pumped into manmade wetlands. As the water filters through 1,840 acres, the wetlands' plants will polish it and remove 95% of the sediment, 80% of the nitrogen and 65% of the phosphorus. Nature's filtration of the cleansed water from the wetlands will then be piped 40 miles to the north end of Lavon Lake and blended with raw water from Lake Jim Chapman and Lake Texoma. The East Fork Reuse Project also returns to nature a part of what has been taken away by 52% of its original wetlands by commercial and residential development, displacing wildlife and aquatic plant habit and create new habitats for wildlife.