



December 2017

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The Board of Directors meet on the first and third Wednesday of each month at 6:30 pm at the District office. Agendas for all board meetings are posted Friday before the meeting in both Fort Bend County and Harris County Courthouses, at the District office and on the District website.

*The water we conserve
today, can serve us
tomorrow!*

Fort Bend County WC & ID #2

Community Strong

Hurricane Harvey slammed into Houston and surrounding areas in late August 2017. Record-setting rains (over 40") created a massive flood event that required "all hands on deck" for emergency personnel. Fort Bend County W.C. & I.D. No. 2 (District) was no exception. The District's emergency response team, after securing their families and homes, worked day and night to ensure that facilities were not damaged. The District had no interruption of water and wastewater services. Our dedicated employees showed exceptional character, by working as a team to perform the skills needed to handle the effects of Hurricane Harvey.

The Board of Directors and management recognized these employees at the September 13, 2017 Board meeting. Certificates of Appreciation were awarded to express thanks for their hard work and commitment to the community during this horrific weather disaster.



Pictured are employee representatives of Water Production, Wastewater Treatment, and Water & Wastewater Departments. District employees help maintain more than sixty (60+) miles of water and sewer line, four (4) Groundwater facilities, one (1) Surface Water Treatment Plant, one (1) Wastewater Treatment Plant and twenty-five (25) Wastewater Lift Stations with a water production of 7.5 million gallons per day and wastewater treatment of 4.5 million gallons daily.



Meeting the Challenge!

Utility Districts face the daily challenge of both replacing aging infrastructure and expanding existing facilities to meet current needs and future community growth. In addition, doing so while maintaining low rates. The District's Board of Directors are meeting that challenge head on!

Waterline & Sanitary Sewer Rehabilitation

Recently completed projects: Rehabilitation of four (4) subdivisions is complete. These subdivisions are Crestmont, Missouri City Estates, Kingsway, and Woodland West.

Current project: The water and sanitary sewer lines in the Sugar Creek subdivision are over 30 years old and approaching the end of their service life. With rehabilitation, the District can drastically reduce the cost of maintenance of these lines and extend their useful life for another 30 years or more. The District plans to utilize trenchless methods to rehabilitate these water and sewer lines to help reduce the impact on the neighborhood residents. The scope of this work includes the complete replacement of all waterlines, valves and hydrants, and rehabilitation of the sanitary sewer lines and service leads. The current contract is for approximately \$2,018,000 with completion planned for mid-2018. The next proposed project under consideration for major water and sewer rehabilitation by the District is Dove Country Subdivision. More information will be released as available in a future newsletter.



Groundwater Plant No. 6

A new water production plant will support the incredible economic and population growth taking place within the District. This plant is required to maintain the current level of service, meet State mandated system requirements, and provide potable (drinkable) and firefighting water service requirements. The proposed Groundwater Plant No. 6 is located on Scanlin Road adjacent to the Stafford MSD complex. Funded by existing 2014 Bond proceeds, the project will include several major aspects. The first will be drilling and construction of a new groundwater well for source water. Second, will be construction of a 1,000,000-gallon elevated storage tank to provide both water storage and water pressure maintenance to the system. Third, will be the 500,000-gallon ground storage and remaining facilities that house disinfection and control equipment. The entire facility will also include an automatic emergency power backup generator. Regulations require backup to prevent loss of water in the event of power interruption or natural disasters such as hurricanes. Currently in design, once placed in operation this plant will increase reliability and the ability to maintain the level of quality water service for all District customers. Complete estimated construction cost is approximately \$7,700,000 with construction commencing late 2018.

Wastewater Plant No. 2

Most people are familiar with how important water is to daily life. However, just as important to a healthy environment & community is the effective collection & treatment of wastewater (water discarded after use). The District continues to develop and grow in population served by either new construction or increase in population

density. This combined with aging sanitary sewer facilities increases the volume and need for wastewater treatment. Untreated wastewater contributes to health hazards and sewer system backups. In addition, this imposes state & federal limits and restriction on new growth and redevelopment of the businesses and homes that help make our community great. Our existing Plant No. 1 is nearing the statutory capacity limit. This requires additional capacity be constructed to support the excellent growth supported by the cities and communities served by the District. To meet this vital and important need, Wastewater Plant No. 2 became part of the District's Master Facilities Plan in 1985 and authorized in the 2014 bond election. This facility will be constructed in at least two phases, allowing the Board to consider and adapt to changes in growth and demand. The project is currently in design, with construction not commencing until 2019. This project is estimated to have a construction cost of \$27,500,000.



Groundwater Plant



Wastewater Plant

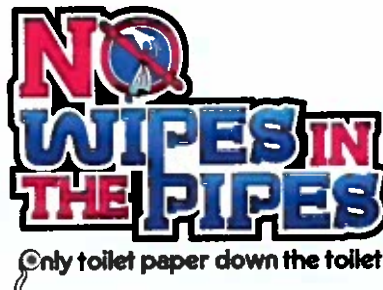
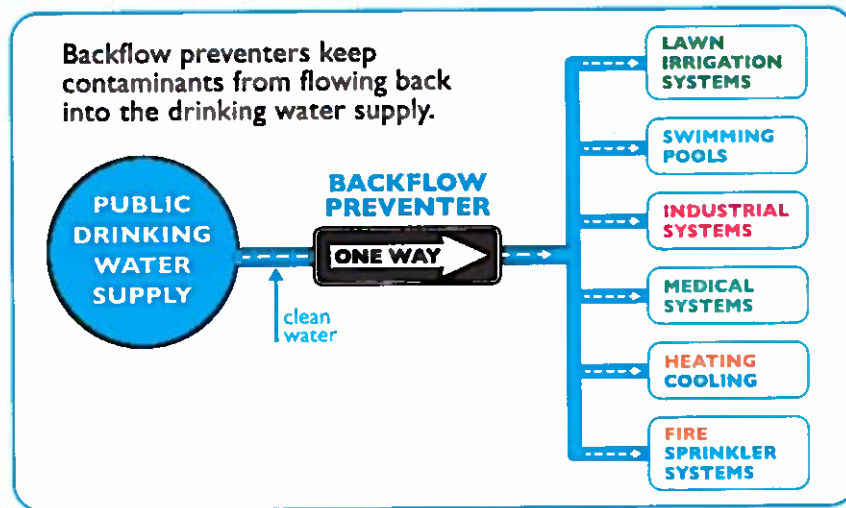
Backflow Prevention Basics

Backflow prevention devices prevent the potential for contamination of potable (drinking) water. Common locations of backflow prevention installations include commercial and industrial sites, swimming pools, and lawn and landscape irrigation systems. The TCEQ (Texas Commission on Environmental Quality) is the governing agency for regulating backflow prevention. A complete list of when and where backflow assembly assemblies are required is available on the TCEQ website. As required by commission regulations, newly installed backflow prevention devices are tested to ensure proper function, and high hazard installations are tested annually. To ensure public safety, the District has implemented a state approved Backflow Prevention Program. This ensures the assemblies are operating effectively, and undesirable cross-contamination does not occur. The District has contracted with BSI Online to track the backflow assemblies for the District. For questions concerning your backflow device testing, submitting a test report, and backflow testers, please contact BSI Online.

Backflow Solutions Inc. (BSI)
P.O. Box 246
Worth, IL 60482

www.bsionlinetracking.com
Email: bsionline@backflow.com
Fax: 888-414-4990
Phone: 800-414-4990





What can you do to help prevent blockages at your property and in the District system?

Please help us to keep our wastewater system working and dispose of the following items in your household garbage collection service after use:

- | | |
|------------------|-------------------|
| X Wet wipes | X Cotton buds |
| X Rags | X Dental floss |
| X Nappies | X Fats and oils |
| X Sanitary items | X Cigarette butts |

Put the right stuff in toilets. Only human waste and toilet paper should ever be flushed in the toilet. Please don't throw products labeled "disposables" or "flushables" in the toilet. Throw them in the trash. Here is a good rule to follow: If you can't tear it, don't flush it.

Fats, Oils & Grease Block Pipes

Fats, oils and grease (FOG) can be a real problem for the homeowner and the environment. Here is an example. That bacon sizzling at breakfast time was yummy. However, it can leave a hardened residue in the pan after cooling. If that residue goes down the drain, it does not just stop at the kitchen sink. The leftover residue can cause problems when poured down the drain and clog your home's pipes. It can also clog the sewer pipes located under the streets taking wastewater from your home to the District's treatment plant. Fats, oil and grease are not water soluble, so they are separate from the water and adhere to pipe walls. (It's comparable to human cholesterol in the arteries, building up and then causing blockage.) The wastewater can back up, come to the surface and pollute our environment. Industries and restaurants have grease traps and interceptors to handle their discharges. But, surprisingly, the majority of utility pipe blockage occurs in residential areas. Here are some simple tips you as a homeowner can do to eliminate FOG:

- Fats, oils and grease should not be poured down the sink. Sinks and garbage disposals are not designed to handle these materials properly.
- Before washing, scrape and dry wipe pots, pans and dishes with paper towels. Dispose of in the trash.

- Pour fats, oils and grease into a disposable container, such as an empty coffee can or jar. When liquid is cooled, secure lid and place in the trash.
- Avoid just relying on garbage disposals for food scraps. Food is chopped up into small pieces, but can still cause pipe blockage. Use sink strainers to catch food pieces and empty into trash.

Do You Need A Water Softener?

Soft water is a personal preference.

For hypertensive people on a low-sodium diet, sodium base softeners may have health implications. It is widely known that traditional salt-based water-softening systems are not environmentally friendly. The salt contributes to the salinity problem when discharged with other wastewater into the municipal sewage treatment plant. In general, higher salinity in the wastewater increases the treatment costs and reduces the potential for reuse of treated wastewater for irrigation and industrial purposes. If you prefer soft water, be good to the environment and avoid traditional salt-based water softeners. We recommend that a qualified contractor be used whenever you consider installation of any type of point of use treatment system.

Interlocal Agreement Benefits Residents

The District has a long history of cooperation in our relationship with the City governments. Cooperative efforts provide an opportunity to serve our community more efficiently.

One such example is the recent partnering between FBCWCID No. 2 and the City of Stafford concerning three pending construction projects. The City enhancement projects are paving and drainage improvements for Vaccaro Manor and Missouri City Estates Subdivisions and major improvements to the W. Airport FM 1092 intersection.

The collaboration reduces potential conflict; thus, lowering cost and disruption to residents. While not completely eliminating water and sewer utility modifications or adjustment construction, it significantly speeds the City's ability to bring these projects to construction. And, it reduces the likelihood of multiple contractors conflicting or redoing portions of work. This lowers cost and conflicts for both, which is a benefit to residents.



CUSTOMER RELATIONS

The District staff is available to help our residents with any questions or concerns regarding water and wastewater. You may contact us at 281-499-1031; Monday – Friday 8:00 a.m. to 5:00 pm.

We thank you for your support



Immediate Response Information System Proactive, High-Speed and Reliable Communication

BE INFORMED

The District utilizes the IRIS notification system to send out messages to our customers. Currently 13,000 customers have signed up for this service. To sign up for this valuable service, contact the office at 281-499-1031.

EXAMPLES OF IRIS USE

- Billing and payment notifications
- Service interruption alerts
- General announcements

FEATURES AND BENEFITS

- **Flexible Multi-Format Messaging:**
A variety of devices can be contacted with SMS text, e-mail, voice-recorded or text-to-voice translated messages.
- **Survey Feature:**
Data and information can easily be gathered by allowing recipients to respond to questions.
- Broadcast thousands of messages per minute via landline, cell phone, e-mail, pager, wireless PDA and SMS text messaging.

