

Waterline

From the General Manager

The James City Service Authority is at a critical juncture in its history. We are in a growing, dynamic community that is an absolutely delightful place to live, so much so, that we are seeing 3-4 percent population growth per year and will continue to do so for the foreseeable future. This places greater demands on our limited water supply. So what are we doing to address this critical need?

Before we talk about what we are going to do, let's look at what we have done. To their credit, the Board of Supervisors in 1979 had the foresight to look at future water needs. They knew that the County could not place its long term water future on groundwater – which is our primary source of water today. Their vision has proven true – the groundwater system is more and more stressed. That's when the ill-fated Ware Creek Reservoir that was proposed to be located in the western end of the County was identified. Unfortunately, the County was unable to obtain the necessary permits to build the reservoir.

While we have recognized that groundwater is not the long term solution to the County's water needs, since 1995 the JCSA has invested approximately \$30 million dollars in groundwater supply improvements. This effort climaxed with the construction of a 5 million gallons per day water treatment plant using reverse osmosis technology to remove excess salts found in local deep aquifers.

Since 1993 James City County has participated as part of the region in the King William Reservoir project. This project is in the final stages of approval, with construction to begin in the next couple of years, completion is not expected until 2018-2020. The concept is to purchase up to 4 million gallons per day of water from the project to supplement our existing water supply meeting the County's water needs through 2040. We'll need more water before the King William project is complete but the plan is to purchase excess water from our partner Newport News until the additional water supply is available from the King William Reservoir.

Another nuance to our overall water dynamic is that the JCSA does not have the capability to treat surface water. The idea is to contract with Newport News to treat water for JCSA customers. Newport News has been in the water treatment business since the early 1900's recently completing the construction of a "state-of-the-art" treatment plant that is located in the Lee Hall area of Newport News near the County's boundary. As they say about the PGA pros... "these guys are good," and so is Newport News when it comes to water treatment.

Other challenges that we are addressing as we bring our long term water supply solution into fruition are impacts on existing water lines. We now have new water sources entering the system at new locations – how do we get the water from the new entry point to the customer. The JCSA uses chlorine as a disinfectant; Newport News uses chloramines – a combination of chlorine and ammonia. The two don't mix well. How do we address this? Finally, at least for now – ground and surface water like that from the King William Reservoir have different water chemistry and can have mixing problems.

We have concepts to address these challenges but for the sake of your time and attention I'll address them in future newsletters. Thanks so much for reading *Waterline* – one of the many methods we use to keep our customers up to date on your water system.

Larry M. Foster, General Manager

Super Turf Saturday

The Virginia Cooperative Extension (VCE), Turf Love Program, will feature



"Super Turf Saturday" on August 19, 2006, at the James City/Williamsburg Community Center on Longhill Road from 9 a.m. - 3 p.m. The morning sessions offer turf presentations by members of the Virginia Tech faculty, and the afternoon sessions will showcase turf industry speakers. There will also be a trade show, prizes, and giveaways. **Pre-registration is required.** The fee is \$10 and includes pastries and coffee in the morning and a boxed lunch. To register, call the VCE Office at 564-2170.

Help Us to Serve You Better

By keeping water and sewer utility easements and fire hydrants clear of obstructions, you can help us do our job more efficiently, which results in savings for you, our customer. Posts, fences, vehicles, growth, trash, storage, landscaping or permanent structures should not be constructed or placed within a water and sewer utility easement or near fire hydrants. Please remove any obstacles that may block access to water and sewer utility easements and fire hydrants that may be on or near your property.



New Rates Effective July 1

Water Charges (residential)

Block	Per Quarter Bill	Volume	Charge
1st	< 15,000 gallons	per 1,000 gallons	\$2.50
		per 100 cubic feet	\$1.87
2nd	> 15,000 gallons	per 1,000 gallons	\$3.00
	< 30,000 gallons	per 100 cubic feet	\$2.24
3rd	> 30,000 gallons	per 1,000 gallons	\$8.50
		per 100 cubic feet	\$6.36

Water Charges (non-residential)

	per 1,000 gallons	\$3.00
	per 100 cubic feet	\$2.24

Wastewater Charges

	per 1,000 gallons	\$2.80
	per 100 cubic feet	\$2.09

HRSD Wastewater Treatment Charge

	per 100 cubic feet	
	for the first 30 CCF* per 30-day period	\$1.72
	in excess of 30 CCF* per 30-day period	\$1.55

	per 30-day period	
	minimum charge for 2 CCF* or less	\$4.91

*CCF = 1 cubic feet (approximately 748 gallons)

Annual Grinder Pump Maintenance Charge

	\$210
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Water Conservation

Outdoor Water Use Regulations are still in effect through September 30. For more information, call the Outdoor Water Info Line at 259-4152.



Volume 11, No. 1
www.jccEgov.com
 July-September 2006

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General Manager..... 253-6805
 Customer Service..... 253-6800
 Emergency, normal hours 7:00 a.m. - 3:30 p.m..... 229-7421
 Emergency, after hours..... 566-0112