



Mission: To provide the highest quality water at the most affordable price for current customers and to provide for the expansion of the District as growth occurs.

Greetings & Salutations!

Where does my water come from? Have you ever asked yourself this question? In this newsletter, I want to answer that question for you. Why, you ask?

Over the next several issues of this newsletter, I want to explain what actions the Board of Directors is pursuing to ensure our community has a long term source of water.

Our water district is composed of three independently developed communities: Greatrock North, Rocking Horse Farms and Box Elder Creek Ranch. Each of these developments was built with independent water delivery systems with wells drilled and permitted to deliver water for each community. When the District assumed responsibility for the three developments it was decided to interconnect all three developments with the primary water treatment facility located in Box Elder Creek. This is where our reverse osmosis plant is located.

Within the boundaries of our three communities we have eight separate wells. Two are drilled into the alluvial zone; these are shallow depth wells less than 100 feet deep and are replenished over time with surface water. Three wells are drilled into what is called the Upper Arapahoe water basin underlying the Denver Metro area. These are deeper wells that are about 400 feet deep. Water from this aquifer is centuries old and is considered non-replenishable. That means this aquifer will eventually be unable to sustain the water demands of everyone pumping water from it. Lastly, we have three other wells drilled into the much deeper Laramie-Fox Hills aquifer located about 1,400 feet underground. Just like the Upper Arapahoe basin, this source is considered non-replenishable and will be unable to sustain the needs of everyone drawing water from it. This water, having been in the ground over a much longer time, has the

highest concentration of dissolved minerals in the water. We don't use this water to send to your homes; we use this water for what is called augmentation purposes. Under the extremely complex water rights laws, for every gallon of water that we pull from our alluvial wells and Upper Arapahoe wells for our use, we have to pump a varying volume of water out of the Laramie Fox-Hills basin and discharge it into Box Elder Creek to compensate for potential damage we could cause to senior water rights holders located downstream from us.

We have gone to Water Court and had these individual wells consolidated into what is called a well field. That means these wells can be used to service the entire District, regardless of where they are located. This gives us more flexibility to use the water from the wells with the higher water quality for your homes and the water from our poorer quality wells for our augmentation requirements.

We take water from our alluvial wells and Upper Arapahoe wells, send a portion of it through our reverse osmosis plant, add a little chlorine, then blend it all together in our two 500,000 gallon tanks in Box Elder. From here, it is pumped to the homes in Box Elder or to the tanks in Rocking Horse Farms and Greatrock where it is then pumped to those homes.

So that is how we get the water to your home. In future newsletters, I'll explain some of the challenges we have in dealing with our waste stream from the reverse osmosis plant and what we have to do to ensure our community has an adequate supply of water to meet our needs indefinitely.

Meter Reading: The monthly meter readings are performed on the 5th of each month for all neighborhoods.

Communication: Interested in knowing what is happening with your Water District? Have you had the chance to visit our website yet? Check us out at <http://www.colorado.gov/greatrocknorthwsd>.

You can join us on **Facebook** by searching for Greatrock North Water and Sanitation District and "Like" our page. For **Twitter**, search for the name of the District as well, we show up as @Greatrock_North and you can follow us there. We will use these sites to post updates, neighborhood events and water outages.

WATER QUALITY: The Board continues to monitor water quality so if you feel your quality is not what it should be, let us know by calling **303-987-0835**.

Expenses: Each month the District has to pay the bills. We all know that water comes at some cost. Since each month's expenses are different, I thought I would share each month just how much we, as a District, pay to keep us all in water, the bottom line.

General Fund	\$	41,440.68
Debt Service Fund	\$	162.50
Capital Projects Fund	\$	-0-
Total Claims:	\$	41,603.18

Come to our meeting: Our next Board meeting will be on October 7th at the United Power Building. One thing to note is the door locks at 5:30pm. If you drop by after 5:30pm, to the right of the doors are some windows. We keep the blinds open and keep an eye out for those who are a little late in arrival. Hope to see you all at our next meeting!!

Regards,

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