

prise fund. See [www.ocn.me/v16n12.htm#tvmd1108](http://www.ocn.me/v16n12.htm#tvmd1108). Remington said before that, rates had not increased for seven years.

Water rates pay for operations, including electricity for pumping from

wells, and maintenance to pumps and distribution lines, and drilling new wells. Director James Barnhart said the water enterprise fund was \$290,000 short last year, and Bolander said even when the rates increase, "we will be

bleeding for a while still... We have been artificially low for too long."

The board consensus was to try not to change the usage rates for the lowest monthly gallons used, but to significantly increase rates at the higher volume usage tiers to encourage conservation.

JDS-Hydro engineer John McGinn said he would assist the directors to come up with a new rate structure using a model he has developed and will improve for this use. This will help estimate how new rates would affect both frugal and extravagant water users.

### Wastewater treatment plant projections

Engineer Roger Sams of GMS Inc. presented a review of current project planning, regulatory framework, and operational events for the Upper Monument Creek Regional Wastewater Treatment Facility (UMCRWWTF) that Triview shares with Donala and Forest Lakes Metropolitan District. See [www.ocn.me/v16n7.htm#tmd-0614](http://www.ocn.me/v16n7.htm#tmd-0614). In the second quarter of 2017, Donala contributed 58 percent of total flow, Triview 41 percent, and Forest Lakes 1 percent, measured as 30-day average daily flow through UMCRWWTF, Sams said. Sams said the facility is in "top-notch shape" and its overall wastewater flow is less than half of the UMCRWWTF discharge permit rated flow capacity.

Then Sams discussed new issues that need to be dealt with, some immediately and some within the next 10 years, because of known or anticipated changes in Colorado Water Quality Control Commission (WQCC) discharge permit regulations on metals and nutrients. The commission approves discharge permits to implement water quality control and other regulations of the 1972 Federal Water Pollution Control Act (Clean Water Act).

The new challenges from potential changes to the UMCRWWTF discharge permit include state or EPA imposition of additional requirements monitoring and/or new treatment requirements for total inorganic nitrogen (TIN), E. coli, copper, mercury, iron, manganese, zinc, and arsenic.

Arsenic is a metal that occurs naturally in the Denver Basin aquifer, and Triview's drinking water treatment plant "does a dandy job of removing it," Sams said. However, the arsenic removed by the drinking water plant is then dumped into the Triview wastewater collection system and must be removed by UMCRWWTF,

which needs to meet its own arsenic discharge permit levels as well. "We need to deal with it," he added.

The Upper Monument wastewater treatment facility operations committee analyzed the options and deemed it preferable to treat the arsenic at the wastewater plant. Sams said that would be the more efficient method. He stated that the proposed new add-on ion exchange process would remove the arsenic in the treatment plant's backwash water. This option would not require construction of a "huge amount of new wastewater treatment capacity."

It could be as soon as October next year that UMCRWWTF will need to meet new state discharge limits on arsenic in the wastewater effluent discharged into Monument Creek, which is upstream of a potential drinking water source in Colorado Springs, Pikeview Reservoir.

Sams said the current estimated budget for the arsenic treatment is about \$2 million, and Triview's share would be 44 percent or about \$1 million. "We need to get it in your next budgets for 2018 and 2019," he advised.

In addition, TIN and total phosphorus are nutrients under additional scrutiny by the WQCC. Sams explained the confusing status of dischargers with respect to potential changes in both Colorado Nutrients Management Control Regulation 85 adopted in 2012, "for what comes out of the end of a pipe," and Colorado's Basic Standards and Methodologies for Surface Water Regulation 31, which will likely be more stringent if "interim" water quality standards proposed in 2012 are imposed for nitrogen and phosphorus in lakes and rivers.

McGinn said that nutrients are treated apart from where the arsenic is treated, and that nutrient treatment steps that might need to be added will have a lot bigger price tag and have to meet a different (but still unknown) compliance schedule than the arsenic treatment.

For an example of similar regulation discussions related to the larger Tri-Lakes Wastewater Treatment Facility (TLWWTF) owned by Monument Sanitation District, Palmer Lake Sanitation District, and Woodmoor, see [www.ocn.me/v17n8.htm#tlwtjuc](http://www.ocn.me/v17n8.htm#tlwtjuc).

### Operations, public works, and financial report

Remington introduced Triview's new Water Superintendent and Operator in Responsible Charge (ORC) Shawn Sexton who was just hired from within Triview. She then described all the work going on in the water department.

Public Works Superintendent Gerry Shisler's report summarized many repairs and maintenance tasks underway or completed in the last month.

### Remington on administrative leave

The meeting went into executive session at 8:25 p.m. to receive legal advice on specific legal questions and personnel matters. OCN did not receive a response to its usual email to Remington asking if any votes were taken or announcements made after the executive session.

A visit to the Triview office on Sept. 19 yielded the news that Remington was on administrative leave and that the board was holding a special executive session board meeting with the District's attorney regarding legal advice on specific legal questions related to personnel matters. At the Sept. 21 Triview special board meeting, Director Jim Otis said that no announcements were made nor votes taken after the Sept. 11 meeting. Gary Shupp, the district's attorney, said that there was no acting district manager but that the



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### 6th Annual Reynolds Ranch Harvest Festival

October 7th & 8th 2017  
10 am to 4 pm

This family fun weekend features a pumpkin patch, hayrides, food trucks, vendors, Gold Canyon Gunfighters, operation of our blacksmith shop and stamp mill, crafts, kids' activities, and more! Admission is only \$5 per person, ages 4 and up. Thank you to Halloween Events CO for helping sponsor this event and to the Questers for making it possible to have the Reynolds Ranch house open to visitors. **More info? Visit [wmmi.org](http://wmmi.org) or call 719-488-0880.**

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