

District, and Woodmoor Water and Sanitation District. Palmer Lake Director Virgil Watkins filled in for Director Dale Smith, who was excused.

Wicklund advised the JUC members and the other district managers that they needed to prepare their boards for rapid decisions, and perhaps special meetings, in order to submit a Tri-Lakes facility grant application by June 30 under the tight time restraints imposed by House Bill 13-1191. Each of the three districts will co-sign the grant application. Also, all of the districts will have to certify in this application that they have all the funding that is required to complete the project before September 2016—prior to receiving any reimbursement from the grant.

The additional unbudgeted money for this grant application will require a 2013 JUC budget amendment as well as a 2013 appropriation amendment for the additional money to be spent in the remainder of 2013 rather than be deferred until 2014 as originally planned in November 2012.

District managers' reports

Wicklund and Palmer Lake District Manager Becky Orcutt both reported that DRC Construction was performing annual collection line cleaning. DRC will perform video inspections of 20 percent of the lines, part of a five-year rotating inspection cycle, after the annual line cleaning is completed.

Plant manager's report

Facility Manager Bill Burks reported on the February discharge monitoring report figures, all of which were well within permit limits. He noted that sulfate or chloride readings will rise when the plant starts chemical treatment to remove phosphates using ferric chloride or aluminum sulfate.

Copper product again found at Big R

Wicklund reported that he had made another monthly visit to the new Big R store on Struthers Road to see if the store manager had removed all the jars of copper sulfate tree root killer from

their shelves. The store manager had not done so. Wicklund once again advised the store manager that Big R's copper sulfate sales could cause wastewater facility permit violations and fines and that Big R's lack of cooperation had been reported in the April 6 edition of OCN.

While in the store, Wicklund contacted the Big R corporate executive who had promised him that the copper sulfate products would be removed. The executive was surprised that the copper sulfate products had not been removed and said he understood that the EPA fines for copper permit violations are \$28,000 to \$35,000 per day for Big R customers.

The executive called the store manager, and Wicklund waited to ensure that the executive had directed the store manager to take the copper sulfate products of Big R's shelves. The store carries a recommended foaming product that effectively kills tree roots without causing permit issues for wastewater facilities.

Tri-Lakes' February effluent readings for potentially dissolved copper were 7.5 micrograms per liter (µg/l)—or parts per billion—for the 30-day average and 8 µg/l for the daily maximum. The district's temporarily modified permit limits, which expire at the end of 2013, are 24.8 µg/l for a 30-day average and a daily maximum of 36.4 µg/l. The facility's new discharge permit's limits that take effect in January are 9.7 µg/l for a 30-day average and a daily maximum of 15 µg/l.

The Tri-Lakes plant would currently not be likely to achieve these values year-round if they actually become effective, so the facility is seeking another modification of these permit limits at the June 10 Water Quality Control Commission.

Nutrients report

Burks reported that the Tri-Lakes and Upper Monument facilities had agreed on a standardized format for monthly nutrient reporting for participation in the new Arkansas River/Fountain Creek Coalition for Urban/Rural River Evaluation (AF CURE). The February effluent readings, in milligrams per liter (mg/l),

were:

- Ammonia – 0.89 mg/l
- Nitrite nitrogen – 0 mg/l
- Nitrate nitrogen – 0.12 mg/l
- Total inorganic nitrogen – 1.01 mg/l
- Total Kjeldahl nitrogen – 2.50 mg/l
- Total nitrogen – 2.62 mg/l
- Total phosphorus – 4.0 mg/l

The Control Regulation 85 limits that will apply to the Tri-Lakes facility when it is issued its new discharge permit after 2016 are 15 mg/l for total nitrogen and 1 mg/l for total phosphorus.

Watershed nutrient sampling consensus is emerging

There is a general consensus developing among the members of AF CURE to perform stream samples in the same week, if not the same day, in the first or second week of the month. If there are large variances or inconsistencies in the AF CURE members' in-stream nutrient readings, there may be more agreement on having all these samples taken on the same day.

It is very difficult to predict how either continuous or "grab" sample in-stream nutrient readings will be altered during stormwater events and whether they will be valid. It is even harder to predict what the effects will be of the large-scale debris that will enter Monument Creek and Fountain Creek following

the Waldo Canyon wildfire and whether they will render AF CURE's nutrient readings useless.

Other matters

Burks reported that on March 27, engineering consultant firm Tetra Tech performed its first site visit to the plant for a previously approved study. He will provide copies to Tetra Tech of all the

recent statistics that are available for plant operation and other pertinent documentation for this capital improvement plan study.

Burks noted that the cost of a nonylphenol effluent test is \$325 per sample. All the nonylphenol test results have been non-detects. The JUC approved Burks' recommendation that he negotiate with the Water Qual-



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