TZA Water Engineers
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GREATROCK NORTH WATER AND SANITATION DISTRICT
ENGINEER'S REPORT
OCTOBER 27, 2014

Concentrate Disposal and Stream Reclassification

I recently met with Ron Falco, the interim Director of the Water Quality Control Division, to revisit the District's concentrate disposal quandary. Mr. Falco suggested researching the Water Quality Control Commission's Policy 13-1 for a discharger specific variance. This policy intended to make the discharger specific variance adoption and implementation process more transparent and understandable to all interested parties, while providing appropriate flexibility.

The Durango West Metropolitan District No. 2 recently applied for a discharger specific variance for ammonia and chlorine standards. This District sought relief of severe ammonia and chlorine discharge standards for aerated lagoons that discharge to a dry creek. The lagoon effluent does not reach the stream segment upon which the standards are based.

The Commission's administrator has provided a link (ftp://ft.dphe.state.co.us/wqc/wqcc/34_AF13bRMH_2014/) to the entire administrative record for Durango West Metropolitan District No. 2's request. I am in the process of reviewing the records and will present more information to the Board at the November meeting.

Water Planning

TZA Water Engineers has supported Bishop-Brogden Associates in the preparation and review of two memos associated with the District water planning efforts. Those memos are:

- GRNWSD Projected Build-Out Augmentation Requirement
- GRNWSD – Possible Water Rights Acquisition Targets

Well, Pump, and Motor Replacements

The District has recently initiated efforts to better understand its well infrastructure and the potential need for replacement of pumps and motors, as well as the well structures themselves. As a part of that effort, TZA Water Engineers is compiling the historical aspects of the wells constructed, the pumps installed, and any other improvements (i.e. water level measuring devices) integrated at each site. TZA is evaluating the benefits of a pump, motor, and well maintenance program to detect changes in well performance. Early detection of deterioration in well performance will allow less expensive repairs, rehabilitation, or treatment procedures in order to maximize production capacity. This preventative maintenance program will be discussed with the District's Manager, and a formal proposal will be brought to the Board if deemed appropriate.

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Other Activities

Warranty Inspections – Ramey Environmental Compliance is tracking the 11-month warranty inspections for the following projects:

- Rocking Horse Farms Pump Station – The warranty inspection was conducted by Jeff Rabas on July 18, 2014.
- Box Elder Creek Ranch Pump Station – The improvements were placed into service on March 13, 2014.
- Rocking Horse Farms Tank Repainting – The improvements were inspected and accepted on June 11, 2014.

Utility Billings and Energy Costs – TZA is now tracking the United Power utility bills and associated water operations. An updated review will be presented in the November report.

Draft Storage Tank Rule – The Water Quality Control Division has drafted a Storage Tank Rule (https://docs.google.com/file/d/0B0tmPQ67k3NVUzAyd2dEekt5Tnc/edit) that will be considered by the Water Quality Control Commission in January of 2015 and will become effective January of 2016. In addition to quarterly periodic (visual) inspections, this rule will require comprehensive inspections to be scheduled at least every five years.