

3/30/16

UAB Agenda Items

Water/Water Rec

V.

*a. Financial Status*

- a. Water Fund Balance Sheet - There was a 2.8% increase in the Cash & Investment Accounts from this time last year. Total Liabilities & Equity increased 7.1% over last year.

Water Fund Statement of Revenues, Expenses, and Changes in Retained Earnings - Total sales revenue is 2.2% lower than last year at this time. This is due to a water leak at Hormel Foods of 600,000 gpd that lasted 7 months. The net income year to date is \$595,717.

Water Reclamation Fund Balance Sheet - Cash & Investments decreased \$498,600 over last year. Currently the fund still has two outstanding IEPA loans with a balance \$250,000 lower than last year at this time. One is due to mature on 8/1/17 and the other will mature on 5/16/27.

Water Reclamation Fund Statement of Revenues, Expenses, and Changes in Retained Earnings - Total sales are 20% lower than last year at this time. This is the result of Hormel Foods fixing a water leak that went on for 7 months and losing the short term contract with Advanced Waste Services. The net income year to date is \$50,601.

*b. Operations Report*

- a. *Water* – For the month of February, RMU water produced a total of 74.8 million gallons with a daily average flow of 2.2 MG. Two main breaks occurred during the month of February.
- b. *Wastewater* – The wastewater division treated 69.4 million gallons w/a daily avg flow of 2.39 MG. The treated effluent averaged 1.8 mg/L of CBOD, 1.3 mg/L of total suspended solids, 8.1 mg/L of dissolved oxygen and 0.16 mg/L ammonia nitrogen. All effluent parameters were within the permit limits set forth by the Illinois EPA.

*c. Well 12 Project*

Fehr Graham along with Willett, Hofmann & Associates have completed initial design for a water main extension along Steward road to Hayes road and a new tower and well building at this location. Currently, the water main extension is substantially complete,

the well has been drilled and developed, the elevated tower is 75% complete and the building and pump is expected to be complete by late summer. If the project stays on schedule the well will be operational by late summer early fall.

d. *20<sup>th</sup> Street Water Main Replacement*

Upon the request of RMU staff, Fehr Graham Engineering has submitted an engineering proposal. The scope of our request was for professional services as part of the 12 inch water main extension along 20<sup>th</sup> street and along 8<sup>th</sup> avenue to N. 15<sup>th</sup>. This project will also replace approximately 1,000 feet of a 2 inch galvanized main that is a known problem for the City. The total project will include installation of approximately 2,700 feet of 12 inch main providing a critical path for water to travel from the north side of town to the central part.

e. *What RMU Does to Protect Against Lead*

See attached memo

f. *Enclosed Trailer and Skid Loader Purchase*

Currently the water department uses and 1960's bread truck as the 'dig truck'. This vehicle is used to transport construction supplies and tools to a job site and we plan to replace this vehicle with an enclosed trailer which will be pulled behind a pick-up truck. We currently have a 1990's back ho and plan to replace it with a skid loader style equipment which will be more versatile for the department.

g. *RCH Water Main Replacement*

During the construction phase of the sewer relocation project at the Rochelle Community Hospital, we noticed that an existing ductile iron water main running along 3<sup>rd</sup> Street between 9<sup>th</sup> and 10<sup>th</sup> Avenue was in poor condition. Since Martin was on site and part of the road was already removed for the sanitary sewer project, we decided to replace approximately 400 ft. of 6 inch main. The construction went well and the final tie in was made late October at a cost of \$117,017.

h. *Sanitary Sewer System 1 Project*

The System 1 sanitary sewer is a 24" diameter sanitary sewer that begins at the System 1 lift station located at the south end of the Water Reclamation Plant and runs along Veteran's Parkway and eventually South Main. The sanitary sewer line is over 55 years old and we need to replace this line due to excessive corrosion. As of today, the project is 60% complete and will be delayed by 2-3 months since Nicor has a 6 inch high pressure gas main in direct conflict with our sewer. Nicor is in the process of designing a relocate of the gas main and once complete, we can resume on our sewer. The existing maps were inaccurate in the exact location of the gas main so the design process missed this. The Julie locate is how we found the exact location.

i. *Rate Adjustment*

See attached memo

j. *RCH Sewer Relocate*

The sewer relocation project at the Rochelle Community Hospital is complete. Progress was slightly behind schedule due to some unforeseen rock excavation and unmarked underground utilities. The relocation was completed in mid-October and so far no problems have been found.

k. *Capital Items*

Purchase new return activated sludge pumps, HVAC for the dewatering building and a portable pump purchase. All items are 20 plus years old and badly deteriorated. Two portable pumps failed last year and are critical pieces of equipment.

l. *Regulatory Update*

Currently the federal EPA is mandating the IEPA develop numeric water quality standards for phosphorous. Over the last 15 years they have attempted to develop a standard but with no success. They are getting closer to developing a standard and new NPDES permits may reflect discharge limitations. I submitted the application last fall for a new NPDES permit and we may have some new language addressing the phosphorous standard.

The IEPA has changed the method in calculating ammonia water quality standards and with these changes we expect the chronic discharge limits to cut in half.

Disinfection testing requirements are changing to reflect E-Coli instead of total fecal coliform as the indicator organism. This shouldn't change our operation other than the lab changing the test method.

