

**Report on the South Sangamon Water Commission Special Meeting**  
**March 8, 2017, 3:30 PM at the SSWC Water Plant**  
**Written by Lee Bloome, Water Commissioner**

**Attachments:**

**Start of Meeting and Roll Call**

**Public Comments:**

Comments from the public included the following:

- A question was asked about why it took so long to make a chemical feed change recommended by CMT.
  - Response from the board is as follows: At the time the recommendation was made the board was ready to make the change but the Edgar County Watchdogs were in attendance and stated the change was not on the agenda. It was placed on the next meeting's agenda but due to the meeting advertising date being incorrect, the board couldn't act on anything. It was on the agenda for the March 8<sup>th</sup> meeting and was to be voted on.
- As a supplement to the first question, a comment was made about the delay causing additional corrosion to the system.
  - Response: The corrosion question keeps coming up so I wanted to take a moment to explain it in an easier to understand format. The plant has conducted RTW modeling to ascertain the aggressiveness of the water. The model takes in multiple parameters of the water and results in an answer called the Langelier index. The scale for the Langelier index is either a positive number meaning the water is scale forming, or a negative number meaning the water has a greater corrosion potential. From the last round of RTW modeling, the Langelier index ranged from -.02 to -.44 from the months of July and August of 2016. I have attached a copy of the ranges and recommended action and highlighted the area the SSWC water resides in. The water, while being called mildly corrosive is in the proper range.

Saturation Index	Description	General Recommendation
- 5	Severe Corrosion	Treatment Recommended
- 4	Severe Corrosion	Treatment Recommended
- 3	Moderate Corrosion	Treatment Recommended
- 2	Moderate Corrosion	Treatment May Be Needed
-1	Mild Corrosion	Treatment May Be Needed
-0.5	None- Mild Corrosion	Probably No Treatment
0	Near Balanced	No Treatment
0.5	Some Faint Coating	Probably No Treatment
1	Mild Scale Coating	Treatment May Be Needed
2	Mild to Moderate Coatings	Treatment May Be Needed
3	Moderate Scale Forming	Treatment Advisable
4	Severe Scale Forming	Treatment Advisable

This is the range the SSWC water is in.

- A question was asked regarding how much had been spent from the replacement fund.
  - At the December meeting, \$92,288.68 in past projects and the current pay request of \$17,408.70 for the hydropneumatic tank were transferred. In January, another hydropneumatic tank payment was paid from the fund in the amount of \$67,559.84. So a total of \$177,257.22 has been paid out of the replacement fund.

**Approved minutes from the January 17, 2017 regular meeting**

**Approved minutes from the January 26 special meeting**

**Approved payments of invoices and partial pay request on the hydropneumatic tank project.**

**Discussed and authorized bidding of insurance from two agencies.**

**Discussed and approved the increase in phosphate feed from 1mg/l to 1.5 mg/l. The added cost will be between \$8,000 and \$10,000 per year.**

#### **Review Curry's Water Rate Study Report**

The proposed rate structure was discussed among the board members. Chairman Sander and Hall were initially in agreement that we should proceed with the recommended rate increases outlined in the report which include increases to provide the required bond coverages, pays back the replacement fund in a 5 year time table, and includes the fourth membrane train and elevated tank. I (Trustee Bloome) stated that I had reviewed the report as well as five years of customer data, water usage in Chatham, and a summary of all future subdivision lots available. The water usage has been flat for the past three years and with the Village fixing a major leak, the water usage in the Village has been low. In addition, I felt there needed to be a more comprehensive review of the treatment train from wells to high service pumps to make sure that the tank and fourth membrane train were the right course of action. I recommended proceeding with the rate increase to cover the bonds and replenish the replacement fund but hold off on the tank and membrane for now with system usage reviewed annually to determine when is the right time to proceed with expansion. I recommended a rate increases of:

2017 - \$8.26 per 1000, 2018 - \$9.25 per 1000, and 2019 - \$9.39 per 1000.

The board voted on it and it passed with trustee Hall voting no.

A resolution will be drafted and voted on at the next regularly scheduled meeting.

This concludes my report on the SSWC Meeting.

Lee Bloome