

YADKIN VALLEY SEWER AUTHORITY BOARD MEETING MINUTES
Tuesday, August 15, 2017 9:00 a.m.
YVSA Operations Center

THOSE PRESENT

Directors: Chairman Wayne Moore; Vice-Chair J. L. Lowe Jr.; Director Anita Darnell; Director Rheajean Bengé; Director Harrold Lee Wagoner. Director Woody Faulk

Staff: Executive Director Nicole Johnston; Administrative Assistant Susan White; Office Assistant Nikki Hembree; Collections Supervisor/ORC Alvin Hayes

Also Present: Hal Transou of Suez; Jonesville Town Manager Michael Pardue; Jerry Twiggs of West Consultants

Absent: Secretary/Treasurer John W. Holcomb, Attorney James Freeman; Benjie Thomas of West Consultants

WELCOME

Chairman Wayne Moore welcomed everyone and called the meeting to order with a quorum of five (5) directors present at 9:00 a.m.

I. PUBLIC COMMENT PERIOD

Chairman Moore opened the public comment period for the meeting. Hearing none, Chairman Moore closed the public comment period.

II. CONSENT AGENDA

1. Tab A - Consent Agenda

Regular Board Meeting Minutes on June 13, 2017.

- Chairman Wayne Moore asked for a motion to approve the regular board meeting minutes of the June 13, 2017 board meeting.
 - ❖ This motion was made by Vice-Chair J. L. Lowe and was seconded by Director Rheajean Bengé. The vote was five to zero in favor, with no discussion.

2. Tab A –Recessed Board Meeting Minutes on June 29, 2017.

- Chairman Wayne Moore asked for a motion to approve the Recessed Board Meeting Minutes of the June 29, 2017 board meeting.
 - ❖ This motion was made by Vice- Chair J. L. Lowe and seconded by Director Rheajean Bengé. The vote was five to zero in favor, with no discussion.

III. Harrold Lee Wagoner Retiring as Board of Director

IV. Woody Faulk Takes Oath of Office as YVSA Board of Director- To be conducted by Susan White, Notary

V. ACTION ITEMS / UPDATES FROM STAFF

1. Tab C –Executive Director’s Update – *Nicole Johnston*

- There was one (1) reportable SSO in June and one (1) reportable SSO in July.
- There was one (1) reportable SSO in June at the Manhole #1167 off Claremont Drive, Elkin. Debris in the line caused us to lose 225 gallons, but we are not expecting an Notice of Violation (NOV).
- The second reportable SSO was in July at manhole #1228 at North Wood Drive Elkin. There was also debris in the line causing us to spill 1,600 gallons.
- The third SSO was in August at West Brenhaven Drive, Elkin. It was due to pipe failure, and we spilled 120 gallons. There was four (4) sections of pipe replaced.

2015 WWTP Improvements Project

- The 2015 WWTP Improvements Project is underway at the treatment plant.
- There was a Progress Meeting on August 14th, 2017 With Gilbert Engineering, Inc, and West Consultants, PLLC at the YVSA office.
- The Clarifier is under construction, along with breaking ground on the lab building.
- The lab building is estimated for 18 months.
- Insituform has laid the Cured In Place Pipe (CIPP) on the Effluent Line, to the river. Insituform recommended to clean and camera inspect the lines.
- KRG is \$10 a foot to clean the lines and Insituform is \$14 a foot. Benjie will find out if we can spend some grant money to finish the line.
- YVSA staff is working on cleaning outfall line before repair.

Civil Penalty for PGW

- PGW is still releasing garnet in their lines; YVSA staff cleans their lines every two (2) weeks. This last time YVSA staff cleaned their lines we didn't find as much garnet as we have been.
- On July 25th, 2017 YVSA staff met with PGW Project Manager to discuss this noncompliance issue. PGW is in violation of the following part of their IUP (Industrial User Permit).
- Part 2 condition 8 of the IUP provides that Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewater shall be disposed of in a manner such as to prevent any pollutants from such materials entering the sewer system.
- The last penalty was \$10,000, the state will penalize us if we don't penalize PGW. PGW's new penalty will be \$20,000.
- When the state comes to inspect us they will require inspection for PGW to verify we are inspecting them and are following protocol.
- The new PGW Project Manager seems to want to work together and fix the problems.

- PGW can appeal the Civil Penalty, we use that to fix what their solids caused damages.

Bond Fund

- YVSA will apply for more funding soon. The 2017 Collections System Project for the Jonesville section have about \$1M left.
- West Consultants, PLLC staff will be preparing for a proposed list of work and a resolution for the Board to consider at the September 29th, 2017 Board Meeting.

2. Tab D - Weyerhaeuser Update – Nicole Johnston for Gary Stainback

- A conference call was held on August 4th, 2017 between YVSA, West Consultants, ProChem, Suez And Weyerhaeuser.
- They discussed the latest sample results. It was indicated that the ProChem technician running the pilot study ran the test at a very low pH which, would not be representative of the desired pretreatment discharge. The cyanide sample results were still above the proposed permit limit. They were still high with the new filter cartridges installed in the pilot test.
- ProChem indicated that they thought the source of the cyanide was the preservation technique for the sample collection. This was questioned by the YVSA due to this preservation being an accepted standard methods sample collection procedure and that state review would not accept this as a valid reason for noncompliance this parameter.
- The toxicity test failed again on this pilot run which were most likely a result of the cyanide concentrations and/or variability in pH.
- As a result of these results, ProChem contacted Gary Stainback to confirm that they would rerun three batches of their pilot study at a normalized pH and analyze the required parameters.
- ProChem contacted Gary Stainback to coordinate effluent water to be collected from the YVSA Effluent to be used as dilution water in their upcoming toxicity tests.
- Joe Thaxton from Suez has also provided initial review of the Weyerhaeuser Project. He has extensive operation knowledge of membrane and reverse osmosis. (RO) design operations for water and wastewater systems.
- Noticed significant variability in Total Dissolved Solids (TDS) results. In addition, pH was very low on the pilot test runs. These parameters should be normalized to expected discharge levels to provide a more representative view of pretreatment discharge.
- Pilot test pH levels of 3 will affect pollutant removal rates for other parameters such as metals.
- The actual source of cyanide needs to be determined and removed from the treatment process. This parameter would adversely affect the YVSA WWTP operation.

- In review of the pretreatment plans, it was unclear where the final normalization of the wastewater discharge was going to occur. If the final pH is too low and the final TDS concentrations are too low, then this could contribute to significant issues and damage the receiving pump station and pipe lines. Long term exposure of low pH and TDS can attack concrete structures and non-plastic piping and materials such as pumps, valves, and instrumentation.
- Gilbert Engineering Price extended to September 1, 2017.
- Will probably have to meet again before September 1, 2017 on this treatment pilot system.
- Still no set date, we can't write a permit without that data.

3. Tab E – Jonesville CCTV Inspection & Cleaning Summarization (Part of 2017 Collection System Rehabilitation Project) – *Benjie Thomas*

- Three (3) bids were received for the CCTV camera inspection and cleaning of the lines.
- Jaamco was the lowest bidder on the camera inspection and cleaning, they came in at \$109,253,65.
- KRG came in at \$132,081.00
- Transtate came in at \$244,618.50
- West Consultants were given a list of references on Jaamco and all reviews were favorable.
- The contract with Jaamco is contingent with Attorney James Freeman,
- The dump site will be the Waste Water Treatment Plant drying beds. The water will come from Jonesville.
 - Chairman Wayne Moore asked for a motion to approve Jaamco Drain Cleaning and Video inspection for the 2017 Jonesville CCTV Inspection and Cleaning.
 - ❖ This motion was made by Vice-Chairman J. L. Lowe and seconded by Director Woody Faulk. The vote was five (5) to zero in favor with no discussion.

4. Tab F- Engineer's Update – *Benjie Thomas*

A. Sewer Improvements to Serve PGW (EDA, IDF, AND REDD/DOC funded)

- Construction is complete. Final payment and grant request pending.
- The Candlewyck PS has failed piping connections, plans were created to address the issue. Three contractors were invited to bid on the repairs, with a bid due date of August 15, 2017. Two of the contractors stated, as of August 1, 2017 that they will not be bidding due to busy schedules.

B. Sewer Extension for Weyerhaeuser (Surry County, GLF, IDF, and ARC funded)

- Four (4) Sewer bids were received April 20th all of which were over budget.
- The NC Dept. of Commerce has been requested to supply additional funds.
- The Rural Infrastructure Authority approved the request (using IDF-Utility Fund) and Surry County will be providing the required 25% local match.
- The pretreatment system design by Weyerhaeuser's engineers is nearly complete. YVSA staff provided on review comments on the latest design and pilot study lab results during the conference call on August 4, 2017 and sent a letter with the comments to Weyerhaeuser the same day.
- The low bidder, Gilbert Engineering has agreed to extend its bid price until September 1, 2017.

C. 2015 WWTP Upgrades (CWSRF funded)

- Major work since the last Board meeting has been the completion of the excavation and dewatering for the new clarifier and the pouring of its base (concrete floor).

D. 2017 WWTP Improvements Project (CWSRF funded)

- \$966,000 (50% grant)
- Received DWI comments from the submitted Engineering & Environmental report. A response to the comments is completed.
- Preliminary design is underway.

E. 2017 Collection System Rehabilitation Project (WWSR funded)

- \$2,645,500 (75% grant)
- Received DWI comments from the submitted Engineering & Environmental report. A response to the comments has been completed and a revised Engineering report has been submitted to DWI.
- Survey of Jonesville Influent PS 12" outfall adjacent to the Yadkin River is near completion with the exception of a short, but difficult access near bridge. Surveying has begun for the Orangeburg pipes serving Cherry St area.
- The CCTV work was based on the understanding that YVSA would provide the water for the cleaning, whether purchasing from Jonesville (which is grant & loan reimbursable) or coming to an agreement with Jonesville to use their water at no cost.

F. North Bridge Street CCTV Investigations

- Due to the NCDOT notification that N. Bridge St. paving was being extended from Hawthorne Rd to the end of US 21 Business (past Brookfall Dairy Rd), additional CCTV inspections needed to be completed.
- Since it was known that all the sewers were not clay pipe out to Brookfall Dairy Rd (limit of sewer service), West Consultants met with Collections Supervisor/ORC Alvin Hayes to determine which gravity pipes to CCTV inspect

- It was assumed that the PVC gravity pipes are in satisfactory condition and did not need to be inspected.
- Additional CCTV inspections were completed on N. Bridge St. from Hawthorne Rd to Food Lion.

5. Tab G - Financial Update - Susan White for John W. Holcomb

We have \$1 million in the bank.

- All sewer collections from each town are up to date and running as projected
- Next week we will pay a debt payment on a miscellaneous equipment loan for \$47,090
- In three (3) weeks we will pay a debt payment of \$37,400 on the YVSA Operations Center.
- In four (4) weeks we will pay a debt payment #2 for the 2015 WWTP Improvements project at \$86,676.
- The 2015 WWTP Improvements Project for Gilbert Engineering pay request #2 at \$79,761 & pay request #3 at \$103,409.
- Should receive reimbursement #3 from CWSRF for \$84,324 sometime next week.
- Still don't have the budget amendments done for 2017 so we can't close the year.
- After year is closed Kim & Susan will work on Audit and Gibson & Company will work on Audit in mid-September.
 - Chairman Wayne Moore made a motion to approve the budget.
 - ❖ This motion was made by Director Rheajeane Bengé and seconded by Vice-Chair J. L. Lowe. The vote was five (5) to zero with no discussion.

6. Tab H - Amendment to By-Laws – James Freeman

- The By-Laws were adopted when the YVSA was formed by the LGC.
- The by-laws were advertised in the paper at least ten (10) days in advance of the vote.
- Notification was given to the three Towns sixty (60) days prior also.

VI. RECESSED

- Chairman Moore asked for a motion to recess the meeting until 10:30 a.m. on Tuesday, August 29th, 2017.
 - ❖ A motion was made by Director Anita Darnell and seconded by Director Rheajeane Bengé. The vote was five (5) to zero in favor, with no discussion.

The next meeting of the YVSA will be held on Tuesday August 29th, 2017 at 10:30 a.m. at the YVSA Operations Center.

Respectfully Submitted By:

Nikki Hembree
Office Assistant

Wayne Moore
Chairman of the Board

Attest:

John W. Holcomb
Secretary/ Treasurer

