

YADKIN VALLEY SEWER AUTHORITY BOARD MEETING MINUTES
Tuesday, September 5, 2017, 9:00 a.m.
YVSA Operations Center

THOSE PRESENT

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

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

Also Present: Hal Transou of Suez; Gary Stainback of Suez; Attorney James Freeman; Benjie Thomas of West Consultants

Absent: Secretary/Treasurer John W. Holcomb

WELCOME

Chairman Wayne Moore welcomed everyone and called the meeting to order with a quorum of five (5) directors present at 9:10 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 - Minutes of the Board Meeting on August 29th, 2017.

➤ Chairman Moore asked for a motion to approve the Minutes of the August 29th, 2017 Meeting.

❖ This motion was made by Vice-Chair J. L. Lowe and seconded by Director Anita Darnell. The vote was five (5) to zero (0) in favor, with no discussion.

III. Action Items / Updates from Staff

I. Tab B - Executive Director's Update – *Nicole Johnston*

- Only 1 Reportable SSO for the Month of August, which was at West Brenhaven Drive, and it was 120 gallons.
- The flow is down about 200,000 gallons. The normal average flow is about 6-700,000 gallons.
- Staff needs to look at Jonesville line to make sure there aren't any leaks or breaks.
- Executive Director Nicole Johnston sent Collections Supervisor/ORC Alvin Hayes out on September 5th, 2017 to look at the Jonesville line to check for any issues or problems there.
- Staff monitors the power bills and pump station readings for each pump station to decipher if they're any problems.

II. 2015 WWTP Improvements Project

- The 2015 WWTP Project is underway at the treatment plant.
- The construction of the Laboratory building should begin soon.
- WWTP and YVSA staff have been documenting pictures of each phase.
- We will have a scrapbook from the start to finish phases.

III. Civil Penalty Assessment for PGW

- Staff has been completing cleanings for PGW every two weeks.
- PGW has continued to have debris of garnet in their lines, in the past couple of weeks.
- As of Monday August 28th, 2017 there was a huge decrease in garnet in their lines then we've seen since February 2017.
- The cleanings will continue until PGW has corrected the noncompliance issue.
- Monday September 11th, 2017 is the next cleaning, Executive Director Nicole Johnston will go from there to decide on what measures to take.
- A civil penalty assessment must be provided to PGW to maintain compliance with NCDEQ's Pretreatment Program requirements.
- Executive Director is projecting an estimate of \$20,000 civil penalty.

IV. NC Connect Bond Funds Update

- Executive Director Nicole Johnston asked the Board to consider changing the agenda outline to include the following:
 - a. Revised Capital Improvement Plan (CIP);
 - b. Revised Asset Management Plan; and
 - c. 2018 Pump Station (PS) Rehabilitation Project.
- Chairman Moore ask for a motion to consider changing the agenda outline to include the following items A, B, and C.
 - ❖ This motion was made by Director Rheajean Bengé and seconded by Director Woody Faulk. The vote was five (5) to zero (0) in favor, with no discussion.

V. Project Update Meeting

- This fall the Board wants to have a Project Update Meeting to discuss a few agenda items including:
 - a. Additional changes/comments, needs for the By-laws;
 - b. Additional changes to the CIP (Capital Improvement Plan);
 - c. Updates on current ongoing projects;
 - d. Any other requests from the Board of Directors

2. Tab C - Weyerhaeuser Update- *Gary Stainback*-

- On August 8th, 2017 Weyerhaeuser discussed their pretreatment pilot test results. The cyanide concentrations were still elevated, results showed significant variability. Poor toxicity results and, pilot test was running at lower than desired pH levels. ProChem has agreed to rerun pilot test at a higher pH and add carbon filtration and peroxide chemical feed as additional measures to reduce cyanide levels.
- On August 28th, 2017 YVSA received some of the test results from the pilot test batches 5, 6, and 7 that included the additional carbon and peroxide treatment. Overall most parameters showed improvement. However, the cyanide analyses from each batch were still over the proposed permit limit. The toxicity results even showed improvement, particularly in runs where the YVSA WWTP Effluent was used as dilution water. ProChem created a composite sample from all three batches and ran another pilot sample recirculating the treated water three (3) times through this final filter for additional treatment. Verbal lab results indicated that this treatment strategy lowered the cyanide concentrations to below the permitted levels.
- An initial review of the most recent data shows an overall improvement in the treatability of the Weyerhaeuser waste-stream. The data appears to be more stable with less variability in previous pilot runs. There's still a concern over pH levels.
- The lower the pH levels and the (TDS) Total Dissolved Solids levels can cause damage to the collection system such as: piping, wet wells, pumps, etc.
- For better results Weyerhaeuser would need to have at least more than 1 (one) set of data for YVSA to proceed with this project. They would need at least 6 months' worth of consistent data, or multiple sets of data.
- If they can circulate it three (3) times in the lab are they going to be able to circulate or produce the same results on a full scale.
- Toxicity results not only take a while but they also cost about \$800 - \$850.
- Data appears to be more stable with less variability than in previous pilot runs.
- There is still a concern over Ph values discharged at 6.0 units or less.
- There is a concern over low TDS concentration at 50mg/l or less.
- Gilbert Engineering has pushed their deadline to October 1, 2017.

VI. Tab D – 2018 Collection System Rehabilitation Project Funding Resolution by the Board of Directors of the YVSA – *Nicole Johnston*

- Apply for funding to complete the following objectives:
 - 1) **N. Bridge Street Gravity Sewer Rehab:** The work will address the poor condition of the gravity pipes on N. Bridge Street Overall 8" clay pipes are in poor condition, e.g. infiltration, partially collapsed pipes, broken outside drops, cracks throughout, roots, sags/offsets, pieces of pipe missing. To reduce infiltration (as well as exfiltration) associated with the poor condition of the

sewers, 15840 LF of 8" gravity sewers are recommended to be rehabilitation with CIPP (cured-in-place-pipe). The CCTV work was completed to determine the condition of the gravity sewer pipes due to scheduled NCDOT paving in 2018 of approximately 3.66 miles of N. Bridge St – US Bus 21 Elkin. All sewer repairs requiring excavation must be completed prior to paving (as no open cut of the road will be allowed afterward except in an extreme emergency). YVSA plans to address about \$250,000 worth of repairs that can only be completed by excavation (not part of this funding application). The proposed CIPP rehabilitation (requiring no excavation) would then take place after the NCDOT scheduled paving and would be funded as part of this application.

2. **First Baptist Church Crushed VCP :** Replace: This work would replace 8" clay pipes in poor condition, especially where it is crushed approximately 30' under church parking lot and in danger of collapsing. It appears that when the land was built up to construct the church the pipes became crushed during soil compaction. Additionally, precast risers were stacked on top of the brick MH to extend it approximately 25' to grade. Due to overall poor condition of the clay pipes, the crushed pipe being of groundwater infiltration, the very difficult manhole access, and that the upstream sewers are behind houses, it is proposed to construct approximately 765 LF of new 8" sewers and three MH's.
3. **Replace Orangeburg Pipe in Jonesville:** This work involves replacing additional orangeburg pipe that was discovered since last year's application (E-SRP-W-17_0034) that was approved. The quantity of orangeburg pipe to be replaced from last year's application was estimated as 575 LF. YVSA discovered approximately 2,050 LF of additional 4" orangeburg pipe that is past its useful life and deteriorating. Additionally, multiple homes are tied into 4" lines. The orangeburg will be replaced with 8" PVC pipe and manholes. Most of the orangeburg pipe is in the Cherry St. area.
 - Chairman Moore ask for a motion to approve the 2018 Collection System Rehabilitation Project Funding Resolution.
 - ❖ This motion was made by Director Anita Darnell and seconded by Vice-Chair J. L. Lowe. The vote was five (5) to zero (0) in favor, with no discussion.

VII. Tab E- High Priority Areas Collection System Assessment Project Funding Resolution by the Board of Directors of the YVSA- *Nicole Johnston*

- The State offers utilities up to \$150,000 in grant money.
- This would include: Camera work, smoke testing, mapping, etc. mainly in south central Elkin.
- This grant is fairly competitive, YVSA applied for it last year but didn't get it.
 - Chairman Moore ask for a motion to approve the High Priority Areas Collection System Assessment Project Funding Resolution.

- ❖ This motion was made by Director Anita Darnell and seconded by Director Rheajeane Benge. The vote was five (5) to zero (0) in favor, with no discussion.

4A. YVSA Updated Capital Improvement Plan for FY 2018-2028- *Benjie Thomas-*

- YVSA Staff provided an updated amended Capital Improvement Plan (CIP) to the board of Directors for adoption.
- Changes to the new CIP included adding N. Bridge St. gravity sewer rehabilitation.
- Change and replace orangeburg pipe with PVC pipe off of Cherry St. and at other streets in Jonesville.
 - Chairman Moore ask for a motion to approve the Updated Changes to the Capital Improvement Plan for YVSA for the FY 2018-2028.
 - ❖ This motion was made by Director Anita Darnell and seconded by Director Woody Faulk. The vote was five (5) to zero (0) in favor, with no discussion.

4B. YVSA Asset Management Plan (Updated September 2017)- *Benjie Thomas*

- Staff provided new Asset Management Plan (AMP) that included the newly adopted CIP.
 - Chairman Moore ask for a motion to approve the YVSA Asset Management Plan (AMP) Updated September 2017.
 - ❖ This motion was made by Director Rheajeane Benge and seconded by Vice- Chair J. L. Lowe. The vote was five (5) to zero (0) in favor, with no discussion.

4C. 2018 (PS) Pump Station Rehabilitation Project- *Benjie Thomas*

- Apply for funding for Pump Station (PS) rehabilitation for Shore Street, Foxhall, Dutchman Creek, Hampton Inn, and Phillips Van Heusen (PVH).
 - Chairman Moore ask for a motion to approve the resolution for applying for funds for the 2018 (PS) Pump Station Rehabilitation Project.
 - ❖ This motion was made by Director Rheajeane Benge and seconded by Director Woody Faulk. The vote was five (5) to zero (0) in favor, with no discussion.

5. Tab F- Engineer's Update- *Benjie Thomas-*

A. Sewer Improvements to Serve PGW

- Construction is complete. Final EDA grant payment has been approved subject to receiving a GPRA data report.
- Gilbert Engineering will complete the Candlewyck PS Rehab project for \$20,815.

B. Sewer Extension for Weyerhaeuser

- Four (4) bids were received April 20th all of which were over budget.
- The N.C. Department. 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 low bidder, Gilbert Engineering, has agreed to extend its bid price to September 1, 2017.

C. 2015 WWTP Upgrades

- Major work since the last Board Meeting, the clarifier wall with rebar.
- Concrete pours for the wall have also began, and the Lab building has also begun to take place.

D. 2017 WWTP Improvements Project

- \$966,000 (50% grant)
- Preliminary design is underway.

E. 2017 Collections System Rehabilitation Project

- \$2,645,500 (50% grant)
- Surveying has begun for the orangeburg pipes serving the Cherry St. area.
Surveying for replacing the orangeburg pipe on Pruitt St has been completed, though not approved or budget work.
- An agreement with Jaamco was signed and they have scheduled the CCTV inspection and cleaning work to begin October 23rd, 2017.
- The CCTV work was bid based on the understand that the YVSA would provide 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 Investigations

- The additional CCTV inspections completed by KRG are being reviewed. Any new repairs will be incorporated with the previous repair plan that was completed.

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

- It's been fairly a normal month, with about \$900,000 in bank
- Expect payments from all three (3) towns, lately they've been on time.
- Last month we made a debt payment of \$47,000 on equipment
- Paid application for payment from Gilbert Engineering for the 2015 WWTP Improvements Project for \$187,000.
- 2015 WWTP improvements Project activity was about \$187,406, we've made two (2) payments on that contract.
- New Equipment purchase of \$47,033

IV. **Board of Director's Comments**

- Chairman Moore asked the Board for further comments.

V. **ADJOURNED**

- Hearing no further comments, question, or announcements, Chairman Moore asked for a motion to adjourn the meeting.
 - ❖ This motion was made by Director Rheajean Bengé and seconded by Vice-Chair J. L. Lowe. The vote was five (5) to zero (0) in favor, with no discussion.

The next meeting of the YVSA will be held on Tuesday October 10th, 2017 at 9:00 a.m. at the YVSA Operations Center.

Respectfully Submitted By:

Nikki Hembree
Office Assistant

Wayne Moore
Chairman of the Board

Attest:

J. L. Lowe
Vice Chairman