

PROCEEDINGS OF THE CENTRAL BROWN COUNTY WATER AUTHORITY
TECHNICAL COMMITTEE

Pursuant to §19.84 Wis. Stats, a regular meeting of the **Central Brown County Water Authority – Technical Committee** was held on Tuesday, July 7, 2020 at the Town of Ledgeview Public Works Shop, 1915 Scray Hill Road, De Pere, WI, and via video conference. Note that in light of public health concerns regarding COVID-19, this was a telephone/video conference meeting for Committee members. Members of the public were offered the opportunity to either hear the meeting broadcast live at the location noted above or to contact the Water Authority to obtain telephone access to the meeting.

Members Present: Allouez – Sean Gehin (via video conference)
Bellevue – Shawn Geiger
De Pere – Scott Thoresen (via video conference), Eric Zygarlicke (via video conference)
Howard – Geoff Farr (via video conference)
Lawrence – Kurt Minten (via video conference), Tyler Mueller (via video conference)
Ledgeview – Andy Tenor

Also Present: Rob Michaelson – Manitowoc Public Utilities (via video conference)
Gary Rosenbeck – McMahan, Inc. (via video conference)
Nic Sparacio, CBCWA General Manager (via video conference)

The July 7, 2020 Central Brown County Water Authority – Technical Committee Meeting was called to order at 1:35 p.m. by Chairman Kurt Minten of Lawrence.

Roll Call:

1. Attendance was recorded as shown above.

Approval of Agenda:

2. Approve Agenda
Motion made by Ledgeview, seconded by Allouez to approve the agenda.
MOTION UNANIMOUSLY APPROVED

Approval of Minutes:

3. There were no revisions to the June 9, 2020 minutes.
Motion made by Allouez, seconded by Ledgeview to approve the June 9, 2020 minutes as presented.
MOTION APPROVED UNANIMOUSLY

Appearances:

4. None

Communications:

5. None

Agenda Items:

Items 8 and 9 were taken up next.

8. Water sales report through June 30, 2020

General Manager Sparacio reported that June 2020 water consumption saw a significant increase over May, so we are now less than one percent behind this same time last year. This resulted in a substantial drop in the estimated year end take-or-pay penalty. He reviewed the mid-year true-up estimates for each member.

9. Flow projections for 2021

Sparacio reviewed a five-year history of budgeted flow projections versus actual water consumption, two alternative 10-year projections for future water consumption, and the status of budgeted flows relative to contract minimums for each community. It was further discussed that the local contract minimums are only applied for take-or-pay purposes if the Authority as a whole consumes less than the sum of the local contract minimums. No future projections are showing consumption dropping that low. While this is unlikely to happen, we do have the opportunity to adjust contract minimums again, since it has been more than three years since the last adjustment. The Village of Howard and City of De Pere are currently projected to drop below their contract minimum by the end of this year, but this could change quickly based on recent water consumption trends. The impacts of COVID have added another layer of unpredictability with water consumption.

Geoff Farr joined the meeting via video conference at this time. Sparacio then reviewed the preliminary 2021 budgeted volumes for each member community. These are to serve as preliminary volumes, so they can be changed later in the budget process as needed. Allouez, De Pere, Howard, Lawrence, and Ledgeview affirmed their 2021 budgeted volumes.

Gary Rosenbeck and Shawn Geiger joined the meeting via video conference at this time. Chairman Minten returned the order of business to agenda item 6.

6. Report on main break in De Pere

Sparacio provided a summary of the events that occurred on a section of the transmission main in west De Pere on the morning of June 23rd. Fortunately, De Pere water customers saw no interruption in service. The repairs were completed within the week, and this section of the transmission main was returned to service after pressure testing and bacteria sampling. He further stated that Northern Inspection Services (NIS) was called in during the repair to investigate the cause of the break and to install a test station. The investigation report from NIS was provided to the Committee. The report concludes that the likely cause was mishandling of the pipe during the original construction.

Gary Rosenbeck added that he will review who the original construction contractor was at this location and whether we have record of pipe to soil potentials from previous corrosion surveys. Discussion continued on how the corrosive soils were also a contributing factor and whether ductile iron is a good material choice in this location.

7. Project status updates

a. Shoreline erosion in Manitowoc

Sparacio reported on the emergency shoreline repairs that were completed the week of June 15. An intense storm once again impacted the shoreline in Manitowoc the night of June 9. After receiving reports from McMahan and MPU on the additional erosion that occurred, Sparacio determined that an immediate emergency repair was warranted. He obtained approval from the Board President and Vice President to proceed with the work, and Rosenbeck worked with the contractor to direct the repairs. Sparacio then displayed photos of the shoreline damage and the completed repair.

Thoresen asked for clarification on how the completed work compares to the updated cross-section for the proposed shoreline repairs that we are working to implement later this year. Rosenbeck responded that some of the stone sizes are different, as the emergency repair had to utilize what was immediately available. The toe stone has yet to be added, and the materials installed with this repair may have to be rearranged to better integrate them with the future project. In addition, the existing concrete rubble will be processed and added to the revetment. Thoresen asked whether this was a temporary repair. Rosenbeck responded that this is a long-term fix, but it can be enhanced by adding more armor stone.

Sean Gehin asked for additional clarification on how this initial repair gets integrated into the permanent revetment. Rosenbeck responded that the armor stone that is there now will be used in the base, the processed concrete will be added to the base, the toe stone will be added and integrated with the filter fabric, and the 2- to 3-ton armor stones will be placed on top of the base. Discussion continued that this emergency repair is substantial and could last for many years. Rosenbeck added that the emergency repair was done in a way that it can be enhanced if necessary.

Rosenbeck presented maps of Sections A and B describing the extent of the work to be performed. He recommends completing the shoreline stabilization for all 500 feet of Section A, and there was a consensus to support that. Thoresen asked whether there is adequate budget for this project. Sparacio responded that the Board has approved some adjustments to the operational budget to identify funds for this project. If these funds are insufficient, the designated Maintenance, Repair, and Renewal Fund could also be used with additional Board approval.

Rosenbeck then continued with his recommendation to stabilize 300 feet of Section B. There is another 400 feet of Section B that is less critical but would be helpful if it was also completed. There was a consensus that the additional 400 feet of Section B will be

included as an alternate bid. If the budget supports it, we can go beyond the most critical 300 feet.

Rosenbeck also asked for confirmation on the preferred method of bidding the project. There continues to be a consensus that this emergency work will not be publicly bid, but quotes from multiple contractors will be sought. The level of design to be used will include a cross-section and plan set for each area of the shoreline, including Section A, Section B, and the Section B alternate bid area. There will be specifications for the materials, and the plans will clarify the overtopping design and integration of the toe stone. Discussion continued on the availability of contractors and stone.

Minten asked whether action is needed on this item. Rosenbeck responded that we will have contractor quotes ready for the August meeting. Assuming we have an available contractor, this will allow the work to take place in September. In the near future, Rosenbeck will also provide a design phase proposal for McMahan services.

b. Chlorine system solenoids and analyzers

Sparacio confirmed that everyone received the draft request for quotes and project drawings. If there are any questions on these items, please forward those to Don Voogt. Sparacio then confirmed that Voogt has been in contact with De Pere, Allouez, and Lawrence on their design specifics. He also noted that the timeline for the project has changed. The timeline presented last month was that we would have contractor responses to the RFQ for this meeting, but we are just now receiving the draft RFQ. We will need an update on the timeline from McMahan.

c. Modified system pressure

Geoff Farr reported on the pressure received through the Howard Booster Station during a main break event last weekend. There is a need to adjust some setpoints coming from the Booster Station to maintain their tower levels. Rob Michaelson stated that having Central Storage in place was of great benefit in this situation. He confirmed that the setpoints can be adjusted for earlier pump starts, and that MPU will work with Howard to test another scenario for bypassing the HD-1 Cla-Val to further increase pressure by a few hundred more gallons per minute.

d. Manitowoc pump station optimization

Sparacio introduced the project modification for the Finished Water Pump Station controls and automation. An estimate was provided from Core & Main for the additional piece of equipment needed to automate the recirculation valves at the treatment plant. Sparacio is recommending that this additional expenditure be approved. Michaelson confirmed that the recirculation valves are very important and used manually on a daily basis to reduce surge when switching pumps. This is a necessary addition in order to fully automate the process.

Motion made by De Pere, seconded by Howard to recommend to the Board approval of the additional expenditure of \$7,800 on the Finished Water Pump Station Controls project.

MOTION APPROVED UNANIMOUSLY

e. SPLASH Study implementation

Sparacio stated that he is planning to set the next SPLASH implementation meeting for later in July or early August. The next step with Cross Connection Control Programs is to explore various compliance tracking methods. This will need to be a video conference meeting. Sparacio also reported that a representative from Hydrocorp has agreed to attend our September Technical Committee meeting.

f. Bayshore Development in Manitowoc

Sparacio updated the Committee on the easement related to the vacation of Johnston Drive. The easement has been approved by the Board, but it is not finalized or recorded yet. McMahon continues to work on the utility construction specifications for future use. The dual review process for construction projects continues to work well.

Old Business:

10. None

Next Meeting:

11. Agenda Items for the Tuesday, August 4, 2020 Meeting

Several potential agenda items were identified for August as follows.

- Contractor quotes for the shoreline stabilization project
- Contractor quotes for the Chlorine Control and Monitoring Improvements project
- Draft Risk and Resiliency Plan for the Water Authority
- Electrical trends at the Master Meter Station
- Updates from the Growth Management Task Force

Adjourn:

Motion made by De Pere, seconded by Allouez to adjourn at 3:05 p.m.

MOTION UNANIMOUSLY APPROVED

Respectfully submitted,
Nic Sparacio, General Manager