

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 Thursday, December 5, 2019 at the Bellevue Public Safety Building Conference Room – 3100 Eaton Road, Bellevue, Wisconsin

Members Present: Allouez – Sean Gehin, Mike Mahloch
Bellevue – Shawn Geiger
De Pere – Eric Zygarlicke
Lawrence – Kurt Minten
Ledgeview – Dave Strelcheck

Excused: Howard

Also Present: Nic Sparacio, Manager
Andy Rowell, Village of Bellevue
Rob Michaelson – Manitowoc Public Utilities
Don Voogt – McMahan, Inc.
Gary Rosenbeck – McMahan, Inc. (via telephone)

The December 5, 2019 Central Brown County Water Authority – Technical Committee Meeting was called to order at 1:35 p.m. by Chairman Shawn Geiger of Bellevue.

Roll Call:

1. Attendance was recorded as shown above. Welcome to Andy Rowell, the new Public Works Director for the Village of Bellevue.

Approval of Agenda:

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

Approval of Minutes:

3. There were no questions or comments on the November 5, 2019 minutes.
Motion made by De Pere, seconded by Lawrence to approve the November 5, 2019 minutes as presented.
MOTION APPROVED UNANIMOUSLY

Appearances:

4. None

Communications:

5. None

Agenda Items:

6. Water System Improvement (Contract A) pay request #3 from Reeke-Marold, Inc. Manager Sparacio stated that this is the third pay request for the Howard Booster control valves project. The contractor is billing for 100 percent completion of the project but has not yet requested final payment of the retainage. The pay request has been reviewed and approved by McMahon. Don Voogt added that the contractor just has some documentation to finish up.

Motion made by Ledgeview, seconded by Allouez to recommend to the Board payment to Reeke-Marold, Inc. in the amount of \$66,667.40.

MOTION UNANIMOUSLY APPROVED.

7. Storage of contractor procured materials. Sparacio stated that a question came up from the Village of Howard on this topic relative to the contractor pay requests that were sent out via email. He asked whether any other Committee members had concerns related to the storage of contractor procured materials. There were no questions or concerns, so Sparacio will follow up the Village of Howard directly.
8. NIS Proposal for corrosion protection system additions. Sparacio explained the proposal from Northern Inspection Services to install additional locating leads and to install new corrosion protection equipment for the Pressure Reducing Station vault and for the pump sleeve barrels at the Howard Booster Station. This \$71,000 in work was not anticipated at the time the 2020 Capital Improvement Program was approved, so funds are not specifically designated for this project. There would also be some electrical work, which McMahon estimates at less than \$1,500. Sparacio would not recommend using the unanticipated capital funds so early in the year but could perhaps be used to fund this project later in the year. No action is needed at this time, but Sparacio wanted to make the Committee aware of this future capital project.
9. Risk and Resiliency and Emergency Response planning requirements. Sparacio reviewed the America's Water Infrastructure Act requirements for Risk and Resiliency and Emergency Response planning. The Water Authority's Risk and Resiliency Plan will be due by the end of 2020. The member utilities will have until June 30, 2021. Rob Michaelson stated that MPU must complete its Risk and Resiliency Plan by March 31, 2020. Emergency Response Plans are then due for submission within six months of the Risk and Resiliency Plans. All members confirmed that they already have completed Emergency Response Plans, which are also required under DNR Sanitary Surveys.
10. Bayshore development in Manitowoc. Sparacio wants to make the Committee aware of a proposed development along the lakeshore in Manitowoc that would involve vacating a street right-of-way where the 48-inch transmission main is located. A utility easement would be retained in place of the street right-of-way. The Water Authority does have other parts of its transmission main located in easements, and Sparacio has asked Attorney Kobza to provide draft easement language that would be appropriate.

Michaelson stated that one of the unique features here is that the developer is requesting a 40-foot easement instead of the normal 66 feet that would remain after a street is vacated. Dave Strelcheck asked whether the sanitary sewer was being moved. Michaelson responded that he believes they are abandoning and relocating the sanitary. Sparacio stated that he will bring this item back to the Committee once he has a draft of the easement language.

11. Project status updates

a. Chlorine Analyzer maintenance and replacements

Sparacio reported that he had a conversation with Hach regarding the ongoing repairs to the CL17 analyzers. Hach is planning to replace the colorimeters in each malfunctioning unit, and they have a high degree of confidence that this will fix the issue. They have plans to be in the area by December 18 to make these repairs. Eric Zygarlicke explained how the continuing delays have been costly to De Pere in terms of after-hours overtime to manually sample chlorine levels. Sparacio asked whether this has also been an issue for any others. There was a consensus that De Pere should be prioritized if possible. Sparacio will report back to Hach and request that the analyzers in De Pere be repaired as quickly as possible.

Discussion continued on various options for replacing the CL17s. Zygarlicke noted that Hach has an analyzer that does not utilize reagents, and that the new version of the colorimeter-based analyzer is more self-contained and has improved data handling/display capabilities. Sparacio reported on the findings related to maintenance of the Depolox analyzers. The only maintenance is regular calibration of the units. Michaelson stated that MPU does calibration on its Depolox analyzers either once a week or once a month depending on how they are plumbed.

b. Howard Booster By-Pass project and modified system pressure

Zygarlicke reported that in De Pere, they were able to re-create vacuum conditions in the chlorination system without increasing the system pressure. It is still unclear how the increased system pressure may or may not have contributed to the over-chlorination that took place in October, but the ultimate cause was confirmed to be the smart-valve not functioning as expected. Maintenance work was also found to be necessary on other elements of the chlorination system. The team looking at the issue in De Pere agreed that the best solution would be to install a solenoid that would mechanically prevent the flow of chlorine when it is not being called for.

Sparacio asked whether modifications are then needed at all the connection stations. There was a consensus that this will depend on pressure differential experienced at a given station and how frequently chlorine is being added. Where differential is minimum, installing a solenoid may not be warranted. In stations where chlorine is being used regularly, a solenoid should be added. Mike Mahloch added that this issue is likely to come up in DNR sanitary surveys in the future.

Discussion continued on how the Water Authority might be involved in making these connection station modifications. Sparacio stated that he is willing to purchase materials for the group and bill it out if that leads to a savings. Voogt added that the amount of work is not sufficient to warrant a construction project approach. This can be handled by local utility staff. McMahon could potentially create an outline specification form for DNR approval. Voogt will create an initial list of the needs.

Michaelson then asked whether everyone is ready to go back to the increased system pressure. All members confirmed that this can happen any time. Michaelson stated that MPU will then plan to increase the system pressure next week to continue testing and debugging.

c. Water System Improvement projects

Rosenbeck asked whether all programming work has been completed on the Howard Booster Control Valves project. Michaelson responded that Preferred Controls has completed all the needed changes.

d. Sensus AMI software updates

Sparacio reported that there was one more item that came up for action in the AMI update process. The Logic server hardware is going to be updated on December 9, and all affected members are aware of this. Gehin asked for clarification on some of the Sensus contract provisions. Sparacio will confirm ownership of the base station antennas. Mahloch noted that Allouez has been providing batteries.

Sean Gehin also reported that Allouez is going to have some training provided next week by Core and Main on the updated Sensus and Logic software. If others are interested in this training, they are welcome to attend.

e. Transmission system operation and maintenance

Michaelson stated that he has the comments from the Water Authority, and MPU is working on incorporating those into the plan. A revised document will then be ready for the Technical Committee.

f. Manitowoc Pump Station Optimization project

Sparacio reported that he and Rosenbeck have had a follow-up discussion with MPU on the status of the report, and we are in agreement that all scope items have been completed. Sparacio will put together a recommendation on how he thinks the Water Authority should respond to the report and bring that back for action next month.

Rosenbeck added that we are awaiting a response from MPU on how they would like to proceed on implementing the key recommendations. The main question is related to how much outside engineering support is anticipated relative to updating the pump station controls/programming and relative to installing one or more new VFDs on the pumps.

g. Cross-connection control programs collaboration

Sparacio provided an overview of the agenda for the upcoming meeting on this topic. The next cross-connection control programs collaboration meeting will be held on Monday, December 16.

12. Water sales report through November 30, 2019

Sparacio noted that November water use was very low – it was the lowest single month on record for several members and the fourth lowest month on record for the Water Authority as a whole. Ledgeview, De Pere, and Allouez all reported good progress on leak repairs. Sparacio then continued to state that it was the highest November on record for Lawrence and Ledgeview with continued growth in those communities. He reviewed the updated year-end true-up and take-or-pay estimates.

13. 2020 Technical Committee officers and meeting location

Geiger stated that the Technical Committee took action on 2020 officer recommendations at its October meeting. Kurt Minten is recommended for Chair in 2020, and Dave Strelcheck is recommended as Vice Chair. The meetings would then be held at the Town of Lawrence offices. Sparacio will forward these recommendations to the Board for action.

14. 2020 meeting schedule

The Committee reviewed the draft meeting calendar and made several adjustments based on the timing of 2020 elections.

Old Business:

15. None.

Next Meeting:

16. Agenda Items for the Tuesday, January 7, 2019 Meeting

Possible agenda items for the next meeting include the following.

1. Transmission main preventive maintenance plan
2. Finished Water Pump Station optimization report and recommendations

Adjourn:

Motion made by Ledgeview, seconded by De Pere to adjourn at 3:00 p.m.

MOTION UNANIMOUSLY APPROVED

Respectfully submitted,
Nic Sparacio, Manager