

PROCEEDINGS OF THE CENTRAL BROWN COUNTY WATER AUTHORITY
TECHNICAL COMMITTEE

Pursuant to Section 19.84 Wis. Stats, a regular meeting of the **Central Brown County Water Authority –Technical Committee** was held on Tuesday, November 9, 2010 at the Allouez Village Offices – 1900 Libal Street, Green Bay, Wisconsin

Present: Allouez-Berndt; Bellevue-Balke, DePere-Thoresen, Howard – Farr,
Lawrence-Little, Ledgeview-Pansier

Also

Present: Dave Vaclavik, Manager
Rob Michaelson/Don Duenkel – Manitowoc Public Utilities

The meeting was called to order by Chairman Scott Thoresen at 1:30 p.m.

ROLL CALL:

Call the roll for attendance. Roll Call as noted above.

APPROVAL OF AGENDA:

Approve Agenda

Motion made by Allouez, seconded by Lawrence to approve the agenda.

MOTION APPROVED UNANIMOUSLY

APPROVAL OF MINUTES:

October 11, 2010

Motion made by Lawrence, seconded by Allouez to approve the minute. MOTION

APPROVED UNANIMOUSLY

APPEARANCES:

1. Rob Michaelson & Don Duenkel from Manitowoc Public Utilities

COMMUNICATIONS:

1. None

AGENDA ITEMS:

1. **Operations Protocol Discussion with MPU:**
Rob Michaelson and Don Duenkel from MPU distributed a System Operational Protocol Outline for review and discussion. Mr. Michaelson explained that the purpose of an operations protocol would be to enable operation of the system according to the original design intent. The procedure would define how each community can operate their control valves at the delivery structures with the benefit to streamline the operation of the system and maintain consistency. At this time flow patterns show substantial variability throughout the day effecting operation during peak hour flows. This pattern increases pumping costs and decreases the life of the pipeline.

MPU has developed the following guidelines to maintain tank levels and system pressures.

- Member communities should reduce the allowable flow range of each control valve such that the flow through each delivery structure is maintained at a consistent level.
- Member communities may need to conduct system analysis to evaluate their systems and the feasibility of reducing the flow range at each delivery structure.
- Communities will need to free up or create storage during low demand hours and supply the distribution system in high demand hours.
- A gradual decrease in flow range should be implemented.
- The impact of reducing control valve flow range on tank levels and distribution system pressures should be continuously monitored.
- Communities should limit the control valve flow settings to their contractual average winter and average summer water demands.

Michaelson reported he has had contact with Wendy Anderson of the DNR regarding the development of standard operating procedures and to discuss reducing system pressure and its potential impacts. Discussion of these issues by the Technical Committee resulted in a direction to MPU to provide operational data to McMahon Inc so that they can develop a strategy for moving forward.

2. **Chlorine Control at Master Meter Station:**

Michaelson informed the committee that MPU has been experiencing difficulties with chlorine control causing variation in the chlorine levels in various communities. How this information can be reported to the members resulted in the suggestion of a web-based reporting system. Michaelson will be investigating this idea further.

3 **Meter Test Results:**

The Manager indicated that he expects final meter test results from ME Simpson shortly, along with ideas for a better test methodology. At this time there is concern regarding the accuracy of the meter test process in Allouez.

4. **CDM System Follow-up:**

a. **Proposal for Replacement of Air Relief Valves and Installation of Surge Protection:**

McMahon is working with CDM in preparing a proposal for engineering services associated with the air relief project. At this time it appears the project may be more involved and disruptive than anticipated.

b. **Proposed Turbine to Replace Pressure Reducing Valves:**

The Manager has been in contact with Focus on Energy and has received grant application material. He will be working with them to prepare a request.

c. **Recommendations from Consultants regarding Planning and Implementation for Follow-up on System Study:**

This item is on hold until further committee discussion of the CDM draft report. McMahon has been asked to prepare a proposal and a specific report on potential system interconnects between members built on the results of the CDM study.

5. **GIS Status:**

McMahon has been working on this project and at this time data is being loaded. A presentation is expected at the next meeting of this committee.

OLD BUSINESS:

1. None

NEXT MEETING:

1. **Agenda Items:**
Next Meeting – Friday, December 3, 2010 – Allouez Village Hall
1:30 p.m.

Adjourn:

Motion made by Lawrence and seconded by DePere to adjourn at 3:20 p.m.

MOTION APPROVED UNANIMOUSLY

Respectfully submitted,

Rae G. Knippel,
Recording Secretary