

**PROCEEDINGS OF THE CENTRAL BROWN COUNTY WATER AUTHORITY**  
**TECHNICAL COMMITTEE**

Pursuant to Section 19.84 Wis. Stats., a special meeting of the **Central Brown County Water Authority – Technical Committee** was held on Friday, January 22, 2010, at the Allouez Village Offices – Board Room at 1900 Libal Street, Green Bay, WI

---

**Present:** Allouez – Berndt, Bellevue – Balke, DePere-Thoresen, Howard-Farr.  
Lawrence –Little, Ledgeview-Tenor

**Also**

**Present:** Dave Vaclavik – Manager, CBCWA  
Gary Rosenbeck – McMahon Inc  
Scott Brosteau-Ledgeview, Dave Selissen-Bellevue  
Rob Michaelson/Don Duenkel-MPU, Wendy Anderson-DNR  
Dan Lau, Amrou Atassi, Joseph Gottardo-Camp, Dresser & McKee (CDM)  
Other Interested Parties

---

The meeting was called to order by Chairman Scott Thoresen at 9:07 a.m.

**Roll Call:**

Call the roll for attendance. Roll call was taken as noted above.

**Approval of Agenda:**

Approve Agenda

Items 2, 3, & 4 were taken ahead of the presentation in #1, although are shown in proper format here.

**Motion made by Lawrence and seconded by DePere to approve the agenda as amended.**

**MOTION APPROVED UNANIMOUSLY**

**Approval of Minutes:** None

None

**Appearances:**

1. **Camp Dresser & McKee**  
Dan Lou, Amrou Atassi, and Joe Gottardo were present from CDM.

**Communications:** None

**Agenda Items:**

1. **Presentation of CBCWA System Study Progress Report by CDM:**  
Representatives of CDM made a presentation to the committee relative to their draft findings of water system analysis and alternatives. They addressed existing and future system capacity (system pressure/system curve), community storage, common storage, and energy efficiency opportunities.

Mr. Atassi indicated that findings show that in order to meet future flow conditions and reduce overall system pressure, a booster pump station will be needed within the next 5 years (cost \$4 to \$5M). Additional storage is recommended along with an upgrade at Howard to meet 2030 flows.

Existing and projected water demands were addressed, the existing system curve, the system curve with booster station, high pressure zones and current peak hour demands, future peak days, system hydraulic grade lines, and future max day demands.

Community diurnal demand and graphs showing need for storage were shown, along with a recommendation to develop protocol for system operation. The need for an overall 3.5 MG of usable storage either through changes of current operation or through additional storage facilities was discussed. Atassi indicated that additional usable storage could delay the need for a pump station and reduce energy cost. Pumping improvements are needed at Howard to meet future flow conditions and to upsize existing pumps, sizing dependent on hydroelectric turbine settings. Also addressed were PRV settings, hydroelectric turbines, emergency supply, the need to develop protocol for operations, with an overall timeline from 2010 to 2020 as follows:

- Develop Operations Protocol
- Install Cooperstown Pump Station
- Modify pumps at MPU
- Add community and common storage
- Upgrade Howard PS
- Install Hydroelectric turbine

Future discussion of these findings will continue.

2. **Chlorination System Improvements:**

A letter from Larry Landsness of the DNR was addressed. He states that most of the stations will require modification along with a variance for operating outside the metering tube range. Although the DNR is willing to grant the variance, Landsness states that members should continue to track the frequency of the low events and the hours of chlorinator use. Options were discussed with Wendy Anderson, who indicated that plans and specs should be available by June 1, 2010. This item will be on the next Technical Committee agenda to discuss responsibility, i.e. municipalities or through original construction. Mr. Vaclavik will provide original contract language.

3. **Repairs to Gravel Shoulder on CTH "R":**

Mr. Rosenbeck reported that he met with Chuck Behnke and Gary Kennedy of the Manitowoc County Highway Department to discuss options for repair work on CTH "R". Discussion of options resulted in the recommendation that Manitowoc County repair the shoulder not to exceed \$68,526.60, 50% payable in advance, and 50% payable upon completion of the work, that there be a warranty provided, that excess material be available to member communities, and that there be no future costs to the Water Authority.

**Motion made by Allouez and seconded by Howard to approve payment not to exceed \$68,526.60 to Manitowoc County Highway Commission for repairs to gravel shoulder on CTH "R", 50% payable in advance, and 50% payable upon completion, with the understanding there will be a warranty on the shoulder work, that excess material is available to member communities, and that there will be no future costs to the Central Brown County Water Authority. MOTION APPROVED UNANIMOUSLY**

4. **McMahon, Inc. Task Order Approval:**

Mr. Rosenbeck presented a Task Order outlining professional engineering services between the CBCWA and McMahon. The document was referred to the Technical Committee for further discussion.

**Motion made by Ledgeview and seconded by Allouez to adjourn at 12:05 p.m.  
MOTION APPROVED UNANIMOUSLY**

Respectfully submitted,

Rae Knippel  
Recording Secretary