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CENTRAL IOWA REGIONAL DRINKING WATER COMMISSION

July 23, 2002 at 6:00 P.M.
Altoona Fire Station 950 Venbury Drive

Chairperson John McCune called the eighth meeting of the Central Iowa Regional Drinking Water Commission to order. All participants introduced themselves. Present were:

City of Altoona - Joe Pirillo (Rep.)
City of Ankeny – Jolee Belzung (Ex-O), Annette Vance (Rep.)
City of Clive – Paul Leighton (Rep.), Bart Weller (Ex-O)
City of Indianola – Lou Elbert (Ex-O)
City of Johnston – Aaron Schmidt (Rep.)
City of Norwalk – Newton Standridge (Alt. Rep.)
City of Pleasant Hill – Tom England (Alt. Rep.)
City of Urbandale – John McCune (Rep.), Dale Acheson (Alt.)
City of Waukee – John R. Gibson (Ex-O)
City of West Des Moines – Jim Wallace (Rep.), Larry Anderson (Ex-O)
Des Moines Water Works – Louise Moon (Rep.), Connie Steffen (Staff),
L.D. McMullen (Ex-O), Randy Beavers, (Staff), Glee Waddle (Staff)
Polk County – Nathan Brooks, Jim Elza (Rep.)

Approval of the April 23 minutes – Louise Moon made the motion to approve the April meeting minutes, seconded by Jim Wallace. The motion passed.

Old Business:

- Shared Services Committee Report – Jim Wallace from the West Des Moines Water Works distributed a graph showing the information compiled from the Shared Services Committee. Three questions were addressed in the report.

Question one - who is called to locate leaks/breaks?

1. Des Moines Water Works, Johnston, Ankeny, and West Des Moines use the Des Moines Water Works.
2. Panora calls on Westrum Leak Detection.
3. Altoona does their own leak/break detection.
4. West Des Moines also uses Westrum Leak Detection and DMWW as well as doing some detection themselves.

The second question was concerning regular checks for leaks/breaks.

1. There was a unanimous yes for Des Moines Water Works, Panora, Johnston, Altoona, and West Des Moines.
2. Ankeny does not do regular checks of their system.

The last question asked how often the checks were done and who does the checks.

1. Des Moines does their own checks every other year, doing one half each year.
2. Panora annually has their entire system checked by Westrum. Johnston annually has their entire system checked.
3. Altoona checks their own system annually or by Rural Water circuit rider.
4. West Des Moines has Westrum on approximately a three-year cycle.

Jim Wallace invited other entities interested in adding their information to the report to contact him. Bart Willer added that Clive has leak detection done on a yearly basis by Des Moines Water Works.

- L.D. McMullen from the Des Moines Water Works reported for the New Water Treatment Plant Sub-Team. He discussed the concept of a new treatment plant using membrane technologies. McMullen explained a four-year plan for the membrane method of water treatment. During the first year a project team and a project manager would be established. This team would be made up of entities that have a needs interest in the project. This team would develop a 28E Agreement for the new treatment plant project. The team would investigate raw water options, look at land purchase, and begin work to pilot tests of the membranes system. During the second year the team would complete work on the design, develop contract documents, and award contracts for work on the membrane system. During the third year radial collector wells would be built, along with building the treatment plant and water distribution piping. The fourth year the plant would be functioning.

L. D. McMullen explained that he did not have the final figures for the costs, but indications are that the operating costs and the capital costs for the membrane technologies are in the cost range similar to the Maffitt plant. He explained the New Water Treatment Plant Sub – Team needs direction as to how to go forward.

Louise Moon moved that the committee proceed with plans so that year one of the four year plan would begin January 2003, and directing the sub-team to prepare information with capital and operating costs information. The motion was seconded by Jim Wallace. The motion passed. There was discussion of the entities that would be interested in being part of the core team. Ankeny and Johnston have future water needs, with SE Polk, Central Iowa Rural Water, being potential members along with a half dozen additional entities.

- Larry Anderson reported for the Westside Infrastructure Review/Planning Sub – Team. The team has been reviewing the hydraulics of the Westside system to determine its capabilities to handle future flow rates. The review is looking at pipelines, peak hour storage, and ways of handling peak day demands, such as aquifer storage and recovery (ASR). He explained that four of the five entities have plans to look at peak hour storage by constructing elevated water storage facilities. The sub – team is looking at sharing the tanks if there is a cost savings for the communities. It is possible there could be additional saving by coordinating the purchase of more than one tank at a time. As the Team studied the projected average day and peak day flow needed in the future, there was a consensus that ASR will be needed to meet the future peak day demands. An idea discussed was to have all entities contribute to an ASR test well and share the costs. If the well worked, the entity in which the well is located would buy out the other participants. There are details to work out, but the sub-team is looking for the Commission’s approval of the concepts.

Louise Moon moved that the Westside Infrastructure Review/Planning Sub-Team move ahead with researching the costs of development and operations of the joint storage concepts and bring back the information to the Commission. Jim Wallace seconded the motion. The motion passed.

- Dale Acheson from the Urbandale Water Department reported on the meetings held by the Aquifer Storage Sub-Team. Their discussions included a look at future Jordan Aquifer ASR operation, storage, testing, chemical reactions, costs, delaying the development of a generic well, and housing specifications for future ASR units. The committee looked at the ASR water use for peak and emergency needs. In gathering information the committee conducted a review and up date of the Ankeny ASR operations by using several reports and references. Future ASR costs were evaluated and calculated along with capital cost for construction of an ASR to be approximately \$2,000,000. The cost of this water in addition to the capital cost of water was higher for smaller volumes of water stored and less for larger quantities of water stored. The committee believes ASR is a viable concept, but more review needs to be done. One possibility discussed was a new ASR well is developed as a possible joint venture of CIRDWC entities participating in the research and construction. If the new ASR proves successful then the entities that benefited from this ASR would reimburse all of the participating members. The subcommittee would like to further study Ankeny’s

ASR operations at the completion of the current cycle and bring back a recommendation for the commission regarding ASR wells.

Jim Wallace asked if there was any grant money available for such projects? Dale explained that the committee had looked, but did not find help to pay for ASR wells with grants.

- Randy Beavers from the Des Moines Water Works reported on the Southeastside Infrastructure Sub-Team. This committee brings together Pleasant Hill, Southeast Polk Rural Water, Indianola, Warren Rural Water, Norwalk, and Carlisle. Southeast Polk and Pleasant Hill are looking at a project with Mid American Energy. The project includes working with joint pipelines and a joint elevated tank.

Other business:

- The reinstating of the By Law Committee to work on public policy issues that will be coming up in the near future was discussed. Newton Standridge motioned that the By Laws Committee be reactivated and named the Public Policy Committee with Al Ihde as the chairman. Louise Moon seconded the motion. The motion passed.
- There was discussion of the benefits to press releases and information on the accomplishments of the CIRDWC. It was suggested that the DMWW work on a draft of the information.
- It was recommended that the sub-teams bring updated information to the October 22nd meeting at the Johnston Public Library. The time was changed to 5:00 p.m. to accommodate the larger group and it was suggested that cookies be served. The Commission members were encouraged to invite City Council members, Mayors, and Board members to this meeting. Johnston would like the counts of those attending by October 11th.

A motion was made and seconded to adjourn the meeting. The motion passed.

Submitted by Annette Vance