

(Prepared by/Return to: Amy Kahler, Des Moines Water Works, 2201 George Flagg Parkway, Des Moines, IA 50321, 515-283-8760)

Meeting
CENTRAL IOWA REGIONAL DRINKING WATER COMMISSION
Technical Advisory Committee
Des Moines Water Works Board Room
July 21, 2016
10:00 a.m.

Attendees: Shane Kinsey, Diana Wilson, John Gibson, Karen Oppelt, Dan Klopfer, Ted Corrigan, Tim Hoskins, Ken Plager, Dale Acheson, Jim Utter

Public: Don Peterson, Iowa Farm Bureau Federation

Review of Long Range Planning Consultant Workshops 1 & 2

Ted Corrigan reported HDR has not yet been scheduled to provide any deliverables; however, work is progressing on the DMWW long range plan. There have been two workshops:

April 15th – Project Initiation

The DMWW working group discussed project objectives, scope, schedule, and an overview of the long range plan as it relates to joint projects currently being considered.

June 17th – Information Gathering

An operational DMWW team provided system details to the consultants related to water supply, production, and distribution needs. The workgroup reviewed and validated hydraulic modeling assumptions, system challenges, population and demand projections, etc. There was discussion related to redundancy, with DMWW favoring redundancy within a system or plant and focusing on meeting minimum usage demand (as opposed to average demand).

Dale Acheson expressed interest in also reviewing redundancy among plants, in the event of a catastrophic failure of a plant whereby it must be taken off-line.

Schedule Update

Dan Klopfer reported the scope of the long-range plan has been increased to also consider an assessment of DMWW's main replacement and corrosion control programs for the Des Moines system (and other areas directly served by DMWW). This scope change is not anticipated to affect the schedule, which is as follows:

End of September

- Preliminary evaluation of source water
- Alternative sites for future treatment plants
- Modeling analysis

Late December – Draft report available

Urbandale Treatment Plant Update

Dale Acheson reported that the Urbandale Water Utility Board has let a contract with McClure Engineering for the first phase of design of a new 8 MGD lime softening treatment plant (with ability to add R/O and/or UV). The contract outlines a 30% design phase to better understand the level of costs, at which time the decision would be made on whether to proceed with further design. Dale indicated that if the project proceeds to construction, commissioning of the new plant would likely occur in 2020.

Dan Klopfer indicated an Urbandale plant would materially affect DMWW's long range plan and asked that Dale share information and direction as it becomes available, so changes could be incorporated into DMWW's long range plan prepared by HDR.

Des Moines Water Works Board Activities for July

Dan Klopfer reviewed the Des Moines Water Works Board of Trustees agenda for the upcoming July meeting:

- 2015 Cost of Service
 - The Cost of Service (COS) report will be presented to be received and filed by the Water Works Board of Trustees. Amy Kahler indicated a meeting will be scheduled for August to review COS with suburban wholesale customers. It was clarified that the 2015 COS includes operational and maintenance costs for 2015, plus a component for replacement cost depreciation (consistent with prior years); however, it is a look backwards and does not consider any cost impact related to DMWW's recently communicated capital improvement plan on a go-forward basis. Financing of the capital improvement plan is being evaluated and impact to future rates will be incorporated into rate discussions. There was interest in learning about the rate impact of the capital improvement plan at a future meeting.
- Acceptance of Saylorville Water Treatment Plant High Service Pump No. 3 Installation and Piping
 - This contract will be presented for acceptance. The pump is functioning and allows the Saylorville plant to provide water west of the plant to serve Johnston and others.
- Easement for American Discovery Trail – Segment 4 Bill Riley
- Easement for Gray's Lake Trail
- Easement for Army Post Road Aquifer Storage and Recovery Well
- Following the board meeting, the trustees will have a board meeting for the pension plan, and will receive the 2015 pension audit and the pension plan actuarial valuation.

Open

Ted Corrigan reported that past issues within Saylorville Water Treatment Plant related to membrane productivity have been fully resolved. The membrane productivity has limited the production from the plant in the past. The UF membranes have been replaced under a warranty program and the RO membranes have been replaced as they had reached the end of their useful life. All membranes have passed performance test and are now functioning as designed. The plant is producing 7 – 8 MGD currently. It is not producing the designed capacity of 10 MGD due to raw water hardness. The raw

water is harder than initial testing predicted, and less than 10 MGD can be treated through the use of RO and blended to meet hardness requirements. DMWW has plans to expand RO capacity to allow for production of 10 mgd.

Amy Kahler reported that there has been interest by suburban wholesale customers in better understanding DMWW's capital spending in recent years. Amy reported information is being prepared and will be available for discussion at the next meeting.

Next Meeting Date

The next meeting will be September 20, 2016 at Des Moines Water Works.

Assignments

No assignments were given.

Meeting adjourned at 11:00.