

## **NOTICE OF MEETING**

### **CENTRAL IOWA WATER WORKS TECHNICAL COMMITTEE**

Des Moines Water Works Board Room  
2201 George Flagg Parkway  
Des Moines, Iowa

May 8, 2024  
1:00 pm

### **MINUTES**

Present: Dale Acheson (UWU), Caitlin Caldwell (DMWW), Don Clark (Ankeny), Kyle Danley (DMWW), Andy Fish (Warren Water), Randy Franzen (Polk City), Matt Greiner (Johnston), Lyle Hammes (WDMWW), Corey Iben (Xenia), Matthew Jacob (UWU), Amy Kahler (DMWW), Shane Kinsey (Johnston), Rudy Koester (Waukee), Kevin Hensley (Grimes), Jeff May (Clive), Christina Murphy (WDMWW), Mitch Pinkerton (WDMWW), Wayne Schwartz (Norwalk), Lindsey Wanderscheid (DMWW), and Neil Weiss (UWU).

Item 1: The meeting was called to order at 1:01 p.m. by Kyle Danley.

Item 2: Introductions were made by everyone present in the meeting. Bill Smith, the Interim Director of Central Iowa Water Works, provided a concise introduction.

Item 3: Minutes Approved for April 10, 2024 – minutes approved with no objection.

Item 4: Reschedule June Meeting: Because some members were unable to attend the June Technical Meeting due to their participation in the AWWA ACE Conference, it was suggested to reschedule the meeting for either the Wednesday before or after June 12th. Lindsey Wanderscheid suggested that holding the meeting on June 19th, which coincides with a morning workshop for the Technical Committee, would be a favorable option. The group agreed to change the meeting date to June 19th.

Item 5: Presentation by Keith Schilling: Dr. Keith Schilling, Director of the Iowa Geological Survey at the University of Iowa, highlighted the survey's extensive partnerships and services during his presentation. The survey, with a history dating back 135 years, manages natural resources and conducts detailed geological mapping, especially at the watershed scale.

Dr. Schilling discussed efforts to map Iowa's aquifers and groundwater availability using advanced techniques like electromagnetic (EM) mapping and passive seismic methods. The survey's goal is to quantify water resources for various uses, including irrigation and municipal supply.

He also emphasized the importance of understanding geological materials and their hydraulic conductivity to assess water availability accurately. Ongoing collaborations with communities and entities aim to provide valuable data for infrastructure planning and environmental management in Iowa.

Overall, Dr. Schilling's presentation highlighted the Iowa Geological Survey's commitment to mapping and managing Iowa's natural resources effectively.

Item 6: West Des Moines Board of Adjustment (Spraytec): Spraytec specializes in manufacturing and selling foliar fertilizer products designed to prevent losses during application, enhance plant nutrition, promote plant health, and assist in disease control for crops. They are proposing to establish operations at 4350 SE Army Post Road, where they will handle storage, mixing, and repackaging of 40 different chemicals.

This location is in close proximity to Des Moines Water Works' "chain of lakes" including Purple Martin Lake. Des Moines Water Works sent an email to West Des Moines Board of Adjustment on April 25, 2024, with concerns of the potential impact of their operations on the water source. Snyder and Associates has requested a meeting with Des Moines Water Works, West Des Moines, West Des Moines Water Works, and representatives from Spraytec.

Item 7: HDR Future Treatment Plant Study: The draft of TM 4 was recently received, which outlined water quality goals. The report contained a couple areas needing corrections, particularly regarding nitrate and turbidity. Feedback on these corrections is requested before finalization.

Draft TM 5 focuses on the depth of water treatment plant locations and alternatives for achieving a capacity of 65 million gallons per day (MGD) by 2050. Grimes emerged as the preferred, cost-effective option across all alternatives for both source and treatment. Discussions are ongoing regarding the potential use of the confluence of the Des Moines and Raccoon rivers, with meetings scheduled with the Iowa Department of Natural Resources to explore feasibility.

The hydraulic analysis workshop was conducted today, and the findings will be distributed to the group. There is a virtual call for HDR to update on TM 5 for 5/13. In June, attention will shift to transmission aspects. The next workshop, Water System Evaluation, is scheduled for 6/19. For any questions or comments, please feel free to email or contact Lindsey Wanderscheid.

Item 8: Technical Committee Chairperson: Discussion centered on determining the length of the initial term for the Technical Committee Chairperson. The full board chair holds a two-year term until the end of 2026. It was proposed that the initial term for the Technical Committee Chairperson should be 18 months, followed by subsequent two-year terms. There are no term limits specified in the 28E/F regulations, only for the full board.

The initial term will conclude on 12/31/2025, with subsequent terms lasting two years each. The motion to have no term limits for the chairperson passed. Andy Fish volunteered to serve as chair, and Kyle was nominated. The vote resulted in Kyle Danley being appointed as Chair and Andy appointed as Vice Chair.

Item 9: Schedule XV-2 Timeline for Capital Plans and Budget: A reminder was issued to prepare and share Capital Improvement Plans (CIPs) and budgets in the upcoming months. The Capital Improvement Plan (CIP) deadline is scheduled for the June meeting, and the budget deadline is set for the July meeting.

Item 10: Grimes Projects Discussion: Kevin Hensley discussed potential easements needed for a future transmission main, bringing up the possible importance of obtaining this information promptly. A proposal was made to secure easements in advance. The width of the easement will be determined by multiple factors including building setbacks. Plans should include accommodating two side-by-side 48-inch mains spaced 15-20 feet apart, aiming for a 50-foot easement width to allow for potential street widening without infrastructure relocation.

Item 11: Polk City Projects Discussion: Randy Franzen stated that there are no updates to provide at this time.

Item 12: West Des Moines Water Works Projects Discussion: Lyle Hammes and Christina Murphy provided some updates on their current projects. Their High Service Pump (HSP) project will be going to bid soon. However, the Motor Control Center (MCC) project is currently on hold due to significant delays in the electrical aspect.

Item 13: Des Moines Water Works Projects Discussion: Lindsey Wanderscheid discussed the FWTP 5 kV System Upgrades – Control System Replacement project. The project aims to replace the generator and switchgear control system to enable curtailment from MidAmerican. The current GE Fanuc PLC, installed in 1993, is obsolete. The estimated cost for the project is \$370,000, with bids due by 5/14/24.

A roll call vote was conducted to amend the Professional Services Agreement with HDR Engineering, Inc., for the Saylorville Water Treatment Plant Capacity Expansion Design and Construction Services related to a Bat Habitat Assessment. The assessment, directed by the U.S. Fish and Wildlife, must be completed during the summer. All attendees unanimously voted in favor of the decision to amend the agreement not to exceed \$95,000.

The assessment will be conducted in two phases:

Phase 1: Desktop assessment with an estimated cost of \$19,108.

Phase 2: Netting and bat capture, estimated to cost approximately \$75,000.

Lindsey Wanderscheid provided an update to the group on the SCADA (Supervisory Control and Data Acquisition) master plan. HDR Engineering was hired to develop the SCADA Master Plan, which will look ahead 10 years and assist in developing an implementation plan. Data collection and site visits occurred last week, with the final master plan expected by October 2024 and standards/policies development targeted for May 2025. Discussion among the group was had about the possibility of data sharing between entities, with efforts to coordinate contacts between DMWW, WDMWW, Grimes, and Polk City for collaboration and information sharing. Kyle Danley gave an update on the SWTP West Feeder Main Phase 3 project. Out of 16 required

easements, 5 remain unsigned to date. Two easements are expected to be completed soon. Some property owners on NW Beaver Drive have expressed reservations about the project, and efforts are underway to address their concerns. Condemnation hearings will need to be scheduled for up to 3 properties. The project team is currently reviewing material submittals, including pipe laying schedules.

Item 14: Other Business: Kyle Danley provided an update that the nitrate facility is currently on. He also noted that some of the wells at McMullen are currently offline and there is a possibility of needing to blend water with the reservoir as finished water approaches 9 parts per million (ppm) nitrate levels. Kyle emphasized the importance of responding appropriately in the event of a boil advisory in your area if nitrates exceed 7ppm.

Item 15: The meeting was adjourned by mutual agreement at 2:49 pm.