

## **NOTICE OF MEETING**

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

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

February 14, 2024  
1:00 pm

### **MINUTES**

Present: Shawn Buckner (Ankeny), Caitlin Caldwell (DMWW), Don Clark (Ankeny), Kyle Danley (DMWW), Andy Fish (Warren Water), Randy Franzen (Polk City), Matt Greiner (Johnston), Royce Hammitt (Xenia), Kevin Hensley (Grimes), Amy Kahler (DMWW), Rudy Koester (Waukee), Jeff May (Clive), Mike McCurnin (DMWW), Christina Murphy (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.

Item 3: Minutes for January 10, 2024, were approved by the group with no changes. It was highlighted that an edit was made at the top of the document to rectify the date, ensuring it accurately reflected January 10, 2024.

Item 4: Technical Committee Administration: The group discussed posing agendas and minutes on the Des Moines Water Works website until a dedicated website is established for Central Iowa Water Works. Consensus was reached regarding the decision to post agendas and minutes on the DMWW website.

Item 5: HDR Future Treatment Plant Study: Questions were raised regarding changes in population projections, particularly noting fluctuations in numbers for various cities. The discussion extended to the need to finalize data for Johnston, Ankeny, Norwalk, and WDMWW. Concerns were raised about industrial reserve capacity and calculations based on MPO projections. There was a proposal to allocate buffer capacity, with considerations for historical data and future projections. The group leaned towards a 15% buffer capacity recommendation, with plans for further discussion and voting at the next meeting. Matt Greiner suggested involving constituents and boards for input. Overall, there was a focus on balancing cost considerations with the need for buffer capacity to mitigate potential risks and ensure water supply reliability. The goal is to finalize decisions at the next meeting.

Discussion focused on land availability surrounding the treatment plant, noting challenges in acquiring suitable parcels. Potential sites for a 25 MGD water treatment plant is limited. Options for a larger 50 MGD plant were explored, with discussions on potential sites. There was consideration for the capacity of the Des Moines River compared to the Raccoon River. Conversations were initiated regarding further dialogue and studies planned to assess available options. The group expressed interest in expediting discussions and ensuring timely decisions, particularly with regard to potential expansions beyond 25 MGD.

Item 6: Xenia Rural Water District Distribution System Presentation: The group decided to prioritize other agenda items due to time constraints, with the option to reschedule the Xenia presentation for the next meeting if necessary.

Item 7: Grimes Projects Discussion: Kevin Hensley mentioned that there isn't much to report, as their focus is currently on underground storage development. He emphasized that the groundwork has been finished and expects the project to be finalized within 6-8 weeks.

Item 8: Polk City Projects Discussion: Randy Franzen stated that there are no updates to provide at this time.

Item 9: West Des Moines Water Works Projects Discussion: Christina Murphy provided an update to the group, informing them that the status of their high service pump 3 is currently at 95% completion according to the drawings.

Item 10: Des Moines Water Works Projects Discussion: Kyle Danley updated the group on the outcome of the SWTP Feeder Main Phase 3 Tree Clearing Contract. There was a discussion regarding the plan to include this contract in the SRF fund, which would then be transferred to CIWW. However, in the event of any unforeseen issues, DMWW would cover the expenses initially, seeking reimbursement from CIWW afterward. A roll call vote was conducted, and all members voted in favor.

Kyle Danley addressed the group regarding the SWTP Feeder Main Phase 3 project and the potential requirement for eminent domain. He emphasized that this measure is being considered as a precautionary step to prevent potential delays of months or even years in the project timeline. Setting a public hearing and initiating the eminent domain process would only occur if deemed absolutely necessary to ensure the project progresses smoothly and on schedule.

Kyle Danley updated the group on the bid outcomes for the SWTP Feeder Main Phase 3 contract. He emphasized a significant change made in November, where a roll call vote was held to increase the pipe size to 48 inches, resulting in a revised estimate of approximately \$15 million. S.J. Louis emerged as the lowest bidder for PCCP, with a bid slightly exceeding \$11 million. Subsequently, a roll call vote was conducted to award the contract to S.J. Louis, and all attendees unanimously supported the decision.

Lindsey Wanderscheid inquired if anyone was interested in participating in the SWTP 10 MGD Expansion project team. She outlined the commitment, which involves monthly meetings on the third Monday afternoon and assured that invitations would be forwarded accordingly.

Additionally, she noted RO pilot testing has been finished, and the group is awaiting the corresponding reports. UF pilot skids are expected to arrive by the end of February. Efforts are underway to finalize RO procurement documents. However, access for conducting pump tests by USACE is still pending.

Lindsey Wanderscheid shared that in July 2021, a contract was awarded to Layne Christensen for two wells, with subsequent modifications to the contract schedule and the addition of another well rehabilitation via a change. The completion timeline for the wells is as follows: SWTP Well 2 was finished in Spring 2022, SWTP Well 1 in Spring 2023, and MWTP Well 6 in Winter 2023. The original contract amount was \$1,344,820, with change orders amounting to \$743,265, bringing the total to \$2,088,085. The plan is to accept the Well Rehabilitation - 2021 contract this month, in February 2024.

Lindsey Wanderscheid informed the group about the FWTP 5 kV System Upgrades project, which involves the demolition and removal of existing electromechanical relays in the 5 kV switchgear and the installation of microprocessor relays. The estimated cost for the project is \$87,675, with two alternate options: alternate 1 includes replacing doors for an additional \$3,000, and alternate 2 involves adding tie breaker CTs for an extra \$22,000. Bids for the project are due on February 20, 2024.

Lindsey Wanderscheid shared with the group that the FWTP Stormwater Pump Station project was awarded to WRH in January 2022 for a total of \$1,179,900. Subsequently, change orders amounting to \$3,655.89 were made, bringing the total cost to \$1,183,555.89. The plan is to officially accept the contract in February 2024.

Mike McCurnin informed the group that the FWTP High Service Pump VFD (Variable Frequency Drive) project involves installing a Medium Voltage Variable Frequency Drive for the West High Lift Pump, which has a capacity of 30 MGD (Million Gallons per Day). The equipment specifications include a 2000 HP (Horsepower) motor operating at 4160 V (Volts), with a synchronous configuration. The estimated cost for this project is around \$500,000. The purpose of this installation is to reduce changes to the High Service Pump, and the equipment will be sourced solely from Allen Bradley.

Kyle Danley shared with the group that a Flood Risk Management Assessment for the Fleur Water Treatment Plant (FWTP) Levee System is underway. The scope of the study involves evaluating the effectiveness of the levee system in managing flood risks. The primary objectives include conducting a reconnaissance and feasibility assessment to identify any deficiencies and potential improvements based on criteria established by FEMA (Federal Emergency Management Agency) and USACE (United States Army Corps of Engineers).

The deliverables for this study will include a technical memorandum summarizing the findings, outlining any deficiencies observed, and providing recommendations for improvements. The budget allocated for this project is capped at \$85,000, with Phase 1 of the study expected to be completed by July 2024.

Kyle Danley discussed the potential impact of the Raccoon River ICON Water Trails Project on

the Fleur low head dam. He emphasized the design criteria of the dam and presented an analysis of flashboard impacts due to the ICON Water Trails project. Additionally, he provided details on the potential projects and alternatives proposed by ICON.

Item 11: In other business Kyle Danley shared with the group an update with exploratory digging with J&K in the area where Zayo had hit the transmission main while installing fiberoptic cables. It was noted that during directional drilling, there were instances where the side of the pipe was hit. However, the extent of damage seemed minor, with only minor mortar being removed and some chipping off at the joint. Concerns were raised about the potential for more significant damage over time, with speculation that there might be a concealed issue extending up to 300 feet from the exposed area.

Xenia will be presenting at next month's meeting.

Item 12: The meeting was adjourned by mutual agreement at 3:00 pm.