

NOTICE OF MEETING

CENTRAL IOWA WATER WORKS TECHNICAL COMMITTEE

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

June 19, 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), Royce Hammitt (Xenia), Matthew Jacob (UWU), Amy Kahler (DMWW), Rudy Koester (Waukee), Kevin Hensley (Grimes), Jeff May (Clive), Mike McCurnin (DMWW), Christina Murphy (WDMWW), Mitch Pinkerton (WDMWW), Wayne Schwartz (Norwalk), Bill Smith (CIWW), Lindsey Wanderscheid (DMWW), and Neil Weiss (UWU).

Item 1: The meeting was called to order at 1:02 p.m. by Kyle Danley.

Item 2: Introductions were made by everyone present in the meeting.

Item 3: Minutes Approved for May 8, 2024 – minutes approved with no objection.

Item 4: Source Water Nitrates – Information: The source water nitrate concentrations vary significantly across different water sources, with the highest level recorded in the Raccoon River at Fleur at 14.24 mg/L, and the lowest at Maffitt Reservoir at 0.01 mg/L. The capacity of the water treatment plants, and aquifer storage recovery systems are adequate to handle the current nitrate levels, but the projected demand is approaching 86% of the total capacity. This highlights the need for continuous monitoring and management to ensure the water supply remains safe and sufficient.

Item 5: Process for Submission and Approval of Minutes – Information: Meeting minutes in draft form will be reviewed by Kyle, Andy, and/or Lindsey before being sent to be included in the CIWW board packet. Draft minutes will be watermarked as DRAFT. The approved minutes from the previous month will also be included in the CIWW board packet. Consequently, there will be two sets of Technical Committee meeting minutes in each CIWW board packet.

Item 6: West Des Moines Board of Adjustment (Spraytec) – Information: A meeting was held on May 13th with representatives from Des Moines Water Works, West Des Moines, West Des Moines Water Works, and Spraytec. An update was provided to the Technical Committee. Mike McCurnin highlighted that we are still awaiting the complete submittal of Safety Data Sheets

(SDSs) from Spraytec.

Item 7: Proposed Saylorville Lake Hydroelectric Project – Information: Saylorville Lake, authorized by Congress in 1958, reached its conservation level in 1977. In 1982, the lake's pool level was raised from 833 feet to 836 feet, allowing storage of 12,299 acre-feet of water supply, which constitutes 1.9% of the total capacity for DMWW. Recently, Kram Hydro filed a Preliminary Permit Application with FERC to explore a potential Hydroelectric Project at Saylorville Dam. DMWW's rights and obligations concerning Saylorville will be transferred to CIWW. It is proposed that DMWW and CIWW jointly file a motion to intervene to ensure consultation by the developer and to preserve their participation rights as the project progresses.

Item 8: HDR Future Treatment Plant Study - Information: The group discussed using Dropbox, which the CIWW Board currently utilizes, for sharing information related to the HDR Future Treatment Plant Study.

The HDR study explores two primary alternatives for future water treatment plant development. Alternative 1 focuses on expanding the McMullen Water Treatment Plant (WTP) to handle 37.5 million gallons per day (MGD) by 2030. Additionally, the Grimes WTP would be expanded to 7 MGD by 2030 and further to 8.5 MGD by 2050. The Saylorville WTP is planned to increase its capacity significantly to 70 MGD by 2050.

Cost projections for treatment improvements in Alternative 1 are estimated at \$13.16 per gallon. Details regarding distribution improvements are not currently available.

Alternative 2 proposes the addition of a new West WTP with a capacity of 12 MGD by 2030. Similar to Alternative 1, the Grimes WTP expansions are planned, and the Saylorville WTP capacity would reach 70 MGD by 2050.

Cost projections for treatment improvements in Alternative 2 are estimated at \$14.10 per gallon. Details regarding distribution improvements are not currently available.

These alternatives outline strategic approaches to meet future water demand through infrastructure expansions and improvements, each considering different cost implications and capacity projections.

Schedule/Timeline: TM-7 expected July 3rd and Alternative Selection Workshop 7/10.

Item 9: Saylorville 10 MGD Expansion – Information: Progress on the Saylorville 10 MGD expansion: UF pilot testing nearing completion, targeting 0.05 NTU. Concerns over Dupont membrane performance despite recent maintenance. RO Procurement Specification soon sent to DNR. Final sample for metal translator study taken, awaiting DNR review for NPDES permit limit increase. Field survey found critical bat habitats. Section 404 Permit pursuit planned for sites under 10 acres. Initial hydrogeologic tests showed suitability at Sites 4-7, with detailed pumping tests planned next.

Item 10: Long Range Planning and Capital Improvements Committee Seats – Information: The

Long Range Planning and Capital Improvements Committee Seats discussion included agreement on the document circulated by Amy Kahler, detailing current members and alternates. Royce Hammitt mentioned he would verify Xenia's status and follow up with Amy or Christina.

Item 11: CIP Discussion – Information: West Des Moines Water Works, Polk City, and Des Moines Water Works presented their Capital Improvement Plans (CIPs) to the Technical Committee. However, Grimes was unable to share theirs due to an early departure for an urgent matter. The group discussed the upcoming July deadline for the budget and the possibility of having a draft available for review at the August Technical Committee meeting.

Item 12: Grimes Projects Discussion: No update was provided.

Item 13: Polk City Projects Discussion: Randy Franzen stated that there are no updates to provide at this time.

Item 14: West Des Moines Water Works Projects Discussion: Christina Murphy shared that there is a meeting tomorrow with the City of Van Meter that will cover discussions on the land related to the West Plant.

Item 15: Des Moines Water Works Projects Discussion - Information: Lindsey Wanderscheid discussed an amendment to the Filter Media Rehabilitation study. CDM Smith has been tasked with an amendment for preliminary engineering on a filter rehabilitation project. This includes replacing underdrains, upgrading media type, valves, and piping. Building upon the 2022 Conceptual Design Report, the project is budgeted at \$298,900 and expected to last four months, aiming for completion by November 2024. Pilot testing is scheduled for completion by Labor Day, with current efforts focused on enhancing filter media across four filters to bridge until the larger project concludes.

Mike McCurnin shared with the group the Ground Lease Agreement with AT&T, now operating as New Cingular Wireless at Tenny Standpipe, involves a revised lease starting at \$1800 per month with a 3% annual escalation. The agreement spans a initial 5-year term with provisions for five additional 5-year renewal options beyond the expiration in 2025.

Kyle Danley presented updates on the City of Des Moines' Merle Hay Road Placemaking Study, focusing on Tenny Standpipe Landscape Improvements and proposed changes to the right-of-way. This includes removing the southbound turn lane, narrowing the roadway, and utilizing the remaining space for new sidewalks. DMWW is exploring relocating the driveway at the Tenny Standpipe corner to access their property's west side.

Kyle also shared Verizon, AT&T, and T-Mobile currently have equipment and leases at Tenny. Verizon and AT&T share a monopole, while T-Mobile has its own infrastructure. Recently, US Cellular was granted approval to install equipment on the AT&T monopole. Verizon has had a generator on-site for an extended period. T-Mobile installed a generator without prior authorization. AT&T is now seeking approval to install their own generator at the site.

Item 16: Other Business: Kyle Danley provided a brief update regarding emergency repairs that

were needed for West High Lift #5.

Item 17: The meeting was adjourned by mutual agreement at 3:16 pm.