

(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
April 19, 2018
10:00 a.m.

Attendees: Ted Corrigan, Tim Royer, Ken Plager, Diana Wilson, Dale Acheson, Shane Kinsey, Karen Oppelt, Jeff May, Mike McCurnin, Don Clark, Nathan Casey, Amy Kahler

Long Range Plan: Source Water

Nathan Casey reviewed source water outlined in the LRP. Highlights include:

- By 2040, the DM metro is projecting 189 MGD for max day.
- There are withdrawal restrictions from Raccoon River and Des Moines River per DMWW's withdrawal permit.
- DMWW's storage in Saylorville Reservoir is 3,236 million gallons or 9,930 acre-feet
- Review of existing water sources indicates:
 - Extreme variations in flow
 - Extended durations of low flow periods
 - Risks of flooding
 - The need for flexibility in source waters, raw water storage, and finished water storage.

DMWW is evaluating additional source water from wells along the Des Moines River near Prospect Park for Fleur Drive Water Treatment Plant. Analysis has begun to determine how much water is available in this area. Other notable projects include a project for Crystal Lake Intake and Pump Station for Maffitt Reservoir which is being designed now. The "Chain of Lakes" project to serve the McMullen Water Treatment Plant is expected to be needed by 2029. Additional radial collector wells are planned for Saylorville Water Treatment Plant.

Des Moines Water Works Board Activities for April:

Ted Corrigan reviewed the agenda for DMWW's April meeting:

- Request Authorization to Issue Purchase Order for RO Membrane at Saylorville Water Treatment Plant - R/O Membranes expansion at Saylorville Water Treatment Plant. The plant has struggled to produce 10 MGD as designed. In 2017, the plant produced 9 MGD, but hardness was above target. The additional R/O will help produce 10 MGD with hardness of 150 mg/l.
- Request Authorization to Execute 28E Agreement between DMWW, the City of Des Moines, Iowa, and the DMWW Park Foundation for Construction of the Fleur Drive Trail Passageway - 28E between Des Moines, DMWW, and Park Foundation for Fleur Drive Passageway - Project

will occur in 2019 but the 28E is necessary because this agreement interrelates with other park improvements. Fleur Dr. will be reduced to one lane both ways during this project. The City of Des Moines will own the tunnel, and the City is bidding and inspecting the project.

- Request Authorization to Execute the First Amendment to 28E Agreement between DMWW and the DMWW Park Foundation for Construction of Phase I Park Improvements - Park improvements in 2018 include amphitheater, sidewalks, parking lots, etc.
- Public Hearing for 2018 Des Moines Water Main Replacement – Contract 1
- Public Hearing for 2018 Des Moines Water Main Replacement – Contract 2
- Public Hearing for 2018 Polk County Water Main Replacement – Contract 1
- Agreement for Use and Maintenance of Des Moines Water Works 30th Street Sports Field - All-American Football League has resided there for many years and recently vacated the property. Rent for the ground is \$70/acre/year. A Request for Proposals was sent to find best match for the site. Three proposals were received, and the Rails Football Club has been selected as the proposed tenant.
- Acquisition of Easement for 16-inch Water Main in Gray's Lake Park – Acquire easement from City of Des Moines
- Approve Chair's Selection of Graham Gillette as DMWW Trustee on the Greater Des Moines Botanical Garden Board

Open

None

Next Meeting Date

The next meeting will be May 17, 2018 at 10:00 a.m. at Des Moines Water Works. Meeting adjourned at 11:00 a.m.