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MINUTES

December 8, 2016

A meeting of the Technical Advisory Committee (TAC) of the Shingle Creek and West Mississippi Watershed Management Commissions was called to order by Chairman Richard McCoy at 11:05 a.m., Thursday, December 8, 2016, at the Clubhouse at Edinburgh, USA, 8700 Edinbrook Crossing, Brooklyn Park, MN.

Present were: Andrew Hogg, Brooklyn Center; Todd Tuominen, Champlin; Mark Ray, Crystal; Rick Lestina, Maple Grove; Liz Stout, Minneapolis; Ben Scharenbroich, Plymouth; Richard McCoy, Robbinsdale; Ed Matthesen and Diane Spector, Wenck Associates, Inc.; and Judie Anderson, JASS.

Not represented: Brooklyn Park, New Hope, and Osseo.

Also present : Dave Mulla, Brooklyn Center; Janet Moore, Crystal; Bob Grant, New Hope; Andy Polzin, Plymouth; Wayne Sicora, Robbinsdale; Shane Nelson and Kaci Fisher, Hakanson-Anderson; Doug Baines, Dayton; Rachel Olmanson, MPCA; and Andy Erickson, University of Minnesota.

- I. Motion by Scharenbroich, second by Stout to approve the **agenda**. * *Motion carried unanimously.*
- II. Motion by Stout, second by Hogg to approve the **minutes of the May 26, 2016 meeting**. * *Motion carried unanimously.*

III. Iron and Bio-char Enhanced Sand Filter Project.

A. Erickson, from the U of M's St. Anthony Falls Laboratory, provided an overview of the state of the research and practices on iron-enhanced sand filters. He discussed the Shingle Creek Commission's current project as well as other sites he has been studying. A few sites also treat agricultural runoff. He has provided a number of maintenance recommendations in the final report of the Prior Lake project.

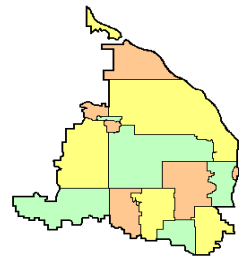
Many questions centered on maintaining the systems – when should material be replaced, the use of iron to reduce lake sediments during anaerobic conditions, nonroutine maintenance in trenches, use of vegetation on the filter material, and determination of level of effluent where filter no longer performs.

The Shingle Creek project seeks to achieve E. coli and other bacteria removal; heretofore unresearched in the field.

Matthesen noted that a pre-bid meeting will be held next week for the Crystal and Minneapolis Park Board projects, with bids due at the end of the month. The Champlin and Robbinsdale projects will move forward in 2017.

B. Other strategic applications.

Areas of concentrated runoff, near the end of the watershed. Underground sand filters – not using iron. Access is required and must be designed in. Have to maintain 3-5-8 years to remove sediment. Replace material every 10+ years due to fine particulate clogging.



In rain gardens have to be careful that water doesn't short-circuit the filter. Can use 3-5% compost material to support vegetation. Recommendation for filter fabric is up in the air.

Not measuring chloride in MnDOT project – Erickson will look into that.

Erickson will provide links to the projects that are being discussed.

IV. Grant Updates.

A. Work is complete on the **Connections at Shingle Creek project** located in Brooklyn Park and Brooklyn Center. The \$200,000 Clean Water Fund grant that is partially funding the project expires on December 31, 2016. Staff are working to close out the project and collate the final numbers. The Commission must approve the release of the \$200,000 upon receipt of an invoice from the City of Brooklyn Park and the balance of the levy due to Brooklyn Park as project lead agency when the final costs are reconciled.

B. Public Art Reaeration Project. The committee is still finalizing the elements of the floating leaves structure in the pond at Brooklyn Center City Hall. Issues of safety, theft, storage, and the budget for power are being discussed.

C. The TAC will consider recommending to the Commission that a line item be added to the Commission's operating budget for **M&O expenses** related to grant/CIP projects. The ramifications of the Above-the-Cap assessment provision of the JPA must be taken into account. An alternative would be to consider seeking levy authority as held by the Mississippi Watershed Management Commission. Staff will draft a policy for discussion at the next TAC meeting.

[Ray arrived 12:15 p.m.]

V. Public and Private BMP Cost Share Programs.

A. To date the Commissions have not received any applications for private cost share projects. It is the policy of the Commissions to fund these projects at 50%. It was noted that other watershed organizations fund them at 100%. Staff will draft other funding options to make this program more attractive to potential applicants. A revised draft policy will be available at the next TAC meeting.

B. The members will be emailed notices that the **2017 Public and Private programs** are now open. Applications have been received from Crystal and Robbinsdale (???).

C. Members will also be reminded that **updates to the CIP** are now being solicited.

VI. Other Business.

A. The **next meeting** is scheduled for January 26, 2017, at 8:30 a.m. at Crystal City Hall.

B. The meeting was adjourned at 12:31 p.m.

Respectfully submitted,

Judie A. Anderson
Recording Secretary