

MINUTES
Regular Meeting
July 9, 2020

(Action by the SCWMC appears in blue, by the WMWMC in green and shared information in black.
*indicates items included in the meeting packet.)

I. A joint virtual meeting of the Shingle Creek Watershed Management Commission and the West Mississippi Watershed Management Commission was called to order by Shingle Creek Chairman Andy Polzin at 12:51 p.m. on Thursday, July 9, 2020.

Present for Shingle Creek were: David Vlasin, Brooklyn Center; Steve Chesney, Brooklyn Park; Burton Orred, Jr., Crystal; Karen Jaeger, Maple Grove; Ray Schoch, Minneapolis; Bob Grant, New Hope; John Roach, Osseo; Andy Polzin, Plymouth; Wayne Sicora, Robbinsdale; Ed Matthiesen and Diane Spector, Wenck Associates, Inc.; Troy Gilchrist, Kennedy & Graven; and Amy Juntunen, JASS.

Present for West Mississippi were: David Vlasin, Brooklyn Center; Steve Chesney, Brooklyn Park; Gerry Butcher, Champlin; Karen Jaeger, Maple Grove; Harold E. Johnson, Osseo; Ed Matthiesen and Diane Spector, Wenck Associates, Inc.; Troy Gilchrist, Kennedy & Graven; and Amy Juntunen, JASS.

Also present were: Adam Quinn and Mitch Robinson, Brooklyn Park; Todd Touminen, Champlin; Mark Ray, Crystal; Derek Asche, Maple Grove; Liz Stout, Minneapolis; Megan Hedstrom, New Hope; Leah Gifford, Ben Scharenbroich and Amy Riegel, Plymouth; Richard McCoy and Marta Roser, Robbinsdale; and Stephen Mastey, Landscape Architecture, Inc.

II. Agendas and Minutes.

Motion by Schoch, second by Roach to approve the **Shingle Creek agenda**.* *Motion carried unanimously.*

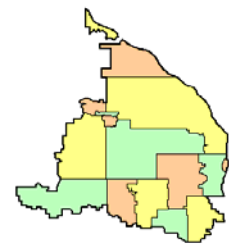
Motion by Johnson, second by Chesney to approve the **West Mississippi agenda**.* *Motion carried unanimously.*

Motion by Jaeger, second by Schoch to approve the **minutes of the June 11, 2020 regular meeting**.* *Motion carried unanimously.*

Motion by Butcher, second by Johnson to approve the **minutes of the June 11, 2020 regular meeting**.* *Motion carried unanimously.*

III. Finances and Reports.

A. Motion by Schoch, second by Jaeger to approve the **Shingle Creek July Treasurer's Report**.* *Motion carried unanimously.*



Motion by Jaeger, second by Schoch to approve the **Shingle Creek July claims.*** Claims totaling \$55,329.51 were *approved by roll call vote: ayes – Vlasin, Chesney, Orred, Jaeger, Schoch, Grant, Roach, Polzin, and Sicora; nays – none.*

B. Motion by Butcher, second by Chesney to approve the **West Mississippi June Treasurer's Report.*** *Motion carried unanimously.*

Motion by Johnson, second by Jaeger to approve the **West Mississippi July claims.*** Claims totaling \$11,091.48 were *approved by roll call vote: ayes – Vlasin, Chesney, Butcher, Jaeger, and Johnson; nays – none.*

IV. Open Forum.

Johnson noted that an Osseo Councilmember/citizen stated that they didn't believe Osseo should belong to the watershed since they have no water bodies within city limits. Staff noted that all cities in the metro area are required to be part of a watershed organization for the management of stormwater.

V. Project Reviews.

SC2020-006 BRT Metro Transit, Brooklyn Center.* Construction of a new bus rapid transit line along Route 5 from the Mall of America to the Brooklyn Center Transit Center. The sites that are within the Shingle Creek watershed total 0.56 acres. There will be no increase in impervious surface following development. A project review application was received June 4, 2020 without the project application fee.

Because there is no increase in impervious surface, the project is exempt from the Commission's stormwater requirements. The erosion control plan includes inlet protection within the construction and down-gradient areas, perimeter sediment control, sediment control log, and temporary geotextile covering for exposed soil. The erosion control plan meets Commission requirements.

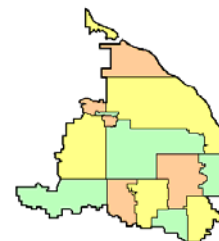
The National Wetlands Inventory does not identify any wetlands on site. The applicant meets Commission wetland requirements. There are no Public Waters on this site. The applicant meets Commission Public Waters requirements. There is no FEMA-regulated floodplain on this site. The applicant meets Commission floodplain requirements. The site is not located in a Drinking Water Management Area. The applicant meets Commission drinking water protection requirements.

Multiple public notices have been made for this project as part of Planning Commission and City Council review of this project, meeting Commission public notice requirements.

Motion by Sicora, second by Schoch to advise the City of Brooklyn Center that project SC2020-006 is approved contingent upon receipt of the project application fee. *Motion carried unanimously.*

VI. Watershed Management Plan.

Crescent Cove Cost-Share Application.* Stephen Mastey, Landscape Architecture, Inc., has applied for a \$50,000 cost-share grant to create a play area at the Crescent Cove Children's Hospice Facility that is mostly within the 100-year floodplain and convert the adjacent existing non-native landscape to a diverse native plant community that creates an ecologically appropriate wetland buffer. Under a portion of the play area, additional storage beyond the watershed requirements will be created by using a Tire Derived Aggregate Infiltration System similar to the product used across the street at the Twin Lake North Townhomes Parking Lot Renovation Project. The proposed project design total is \$365,000. Of that, \$122,500 could have water quality improvement benefits attached to the overall improvement. Work is scheduled to begin in late summer of 2020 with completion projected for fall 2020 or early spring 2021.



The TAC reviewed this project and recommends approval of a cost-share grant. This grant does not require an easement, but does require a maintenance agreement with the City. Motion by Jaeger, second by Vlasin to approve the cost-share grant in the amount of \$50,000. *Motion carried unanimously.*

VII. Water Quality.

A. Opportunity Grant Application – SRP Phase II.* Wenck has been evaluating three types of media (iron-enhanced sand [IES], a phosphorus sponge, and a proprietary product called Alcan) for removal of soluble reactive phosphorus (SRP) in the outlet channel at the 639W wetland in Crystal and Brooklyn Center. Studies have shown that this wetland has become a nutrient source and the largest single source of phosphorus to Upper Twin Lake. The pilot SRP reduction project has shown that the Alcan and IES achieved a consistent 70-90% reduction in SRP. The load reduction achieved by the pilot project was small since only a fraction of the water volume was treated. This proposed project includes a channel modification to scale up the pilot project to provide treatment to the discharge channel within a series of cells lined with filter media. Alcan would be used in the first cell to treat the runoff directly from the wetland while the less expensive IES would line downstream cells to act as a “polishing” filter. The entire project cost is \$110,000 and the Opportunity Grant request is for \$100,000 with the Commission to fund the remainder. The project cost includes design, construction, and monitoring over a two-year period.

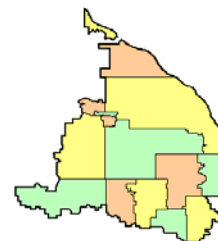
B. Clean Water Fund (CWF) Grant Solicitations.* BWSR is accepting applications for projects and practices through mid-August. This year there is approximately \$12 million in grant funding available and there are usually \$60 million in applications submitted. All grants require a 25% match. In 2019, grant applications were submitted for the Meadow Lake Drawdown and the Connections II projects but were not funded. Staff recommends re-submitting both projects with minor revisions and developing a grant application for the Bass Creek Stabilization project. The estimated cost to prepare the three grant applications is \$5,000-\$6,000, which is within the annual budget for grant application development. Applications will be provided for review at the August Commission meeting. Motion by Schoch, second by Grant to authorize preparation of CWF grant applications for the Meadow Lake Alum Treatment and Vegetation Management, Connections II, and Bass Creek Stabilization projects. *Motion carried unanimously.*

C. BWSR Watershed Based Implementation Funding (WBIF).* Staff have attended three meetings for the Twin Cities Mississippi West basin to review allocation of the \$800,000 in WBIF funds available for the major watershed area and selection of projects for the 2020-2022 biennium. The partnership has developed criteria for project evaluation based 70% on quantifiable water quality improvements and 30% on other benefits including community, education, underserved, etc. The partnership will discuss minimum/maximum grant request amounts and methods of distribution among the watershed organizations comprising the region. Staff requested Commission input on projects to be submitted for potential WBIF, recommending the Connections II and Meadow Lake Drawdown projects. The funding, once awarded, will be available July 1, 2020 through December 31, 2022. Motion by Jaeger, second by Schoch to approve submission of the Connections II and Meadow Lake Drawdown projects for WBIF funds. *Motion carried unanimously.*

D. HUC 8 Update. Staff are still reviewing hydraulic data and will make a presentation to the Commission at the August meeting.

E. Filamentous Algae. Staff has drafted a two-page informational flier on filamentous algae for the public. Once the flier has been reviewed it will be posted to the Commission’s website.

VIII. Education and Public Outreach.



The **West Metro Water Alliance (WMWA)** meeting scheduled for July 14, 2020 has been canceled. The next WMWA meeting will be held Tuesday, August 11, 2020 via Zoom.

IX. Staff Report.*

A. Project Review Fees. Staff are assessing information from adjacent WMOs and will present this information at the July 27, 2020 TAC meeting for further review.

B. SRP Reduction Project. Monitoring is showing lowered concentrations compared to last year, leading to the idea that the abundance of rain may have flushed the wetland out a bit. The media is showing good results for SRP removal. A floating boom has been installed to prevent floating material from entering the filter box and covering the media.

C. Crystal Lake Management Plan. Three sediment cores were taken, one from the deepest point and two from shallower areas. The core from the deepest part of the lake tests as very high while the cores from shallower areas tested about half as much or less, indicating that the phosphorus amounts are quite variable. Zooplankton and phytoplankton sampling has been done showing some blue-green algae in the lake. Staff are still awaiting the full species composition results. If the blue-green algae concentration is a concern, Staff will pass that information to City staff.

D. Alum Treatment – Bass and Pomerleau. The second round of dosing will occur this fall with the modification that the treatment will be lighter in the shallow areas as some experience indicates that this may prevent or reduce filamentous algae blooms in the spring. The curlyleaf pondweed treatment has been completed and follow-up core samples show the sediment release rate has been greatly reduced in both lakes.

X. Communications.

A. June Communications Log.* No items required action.

B. Minnesota Stormwater Seminar.* Spector was invited to participate in a panel discussion as part of the Minnesota Stormwater Series on the topic of pathogens in urban stormwater systems at the St. Anthony Falls Laboratory in June. The video recording can be found at <https://www.youtube.com/watch?v=9UFM4aWiQnc>. A written copy of questions and answers was included in the meeting packet.

C. Matthiesen and Bill Wills met with CCX Media on June 12 for a short interview regarding the **Meadow Lake drawdown project**.

XI. Other Business. Three Rivers Park District contacted Staff regarding use of a stormwater pond at the Eagle Lake Golf Course for irrigation purposes. They are expected to apply for a **cost-share grant** for a water reuse project.

XII. Adjournment. There being no further business before the Commissions, the joint meeting was adjourned at 2:42 p.m.

Respectfully submitted,


Amy Jantunen, Recording Secretary
AAJ:tlm