

MINUTES

October 14, 2021

(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 12:45 p.m. on Thursday, October 14, 2021.

Present for Shingle Creek were: David Vlasin, Brooklyn Center; Alex Prasch, Brooklyn Park; Burt Orred, Jr., Crystal; Karen Jaeger, Maple Grove; Ray Schoch, Minneapolis; John Roach, Osseo; Andy Polzin, Plymouth; Wayne Sicora, Robbinsdale; Diane Spector, Katie Kemmitt, Erik Megow, and Todd Shoemaker, Stantec; Troy Gilchrist, Kennedy & Graven; and Amy Juntunen and Judie Anderson, JASS.

Not represented: New Hope.

Present for West Mississippi were: David Vlasin, Brooklyn Center; Alex Prasch, Brooklyn Park; Gerry Butcher, Champlin; Karen Jaeger, Maple Grove; Harold Johnson, Osseo; Diane Spector, Stantec; Troy Gilchrist, Kennedy & Graven; and Amy Juntunen and Judie Anderson, JASS.

Also present were: Andrew Hogg, Brooklyn Center; Melissa Collins, Brooklyn Park; Mark Ray, Crystal; Derek Asche, Maple Grove; Liz Stout, Minneapolis; Ann Ackerson, New Hope; Amy Riegel and Ben Scharenbroich, Plymouth; and Richard McCoy and Marta Roser, Robbinsdale.

II. Agendas and Minutes.

Motion by Jaeger, second by Schoch to approve the **Shingle Creek agenda*** as amended. *Motion carried unanimously.*

Motion by Butcher, second by Johnson to approve the **West Mississippi agenda** as amended.* *Motion carried unanimously.*

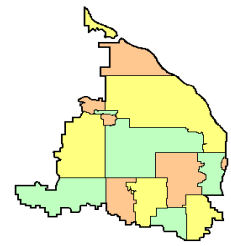
Motion Schoch, second by Jaeger to approve the **minutes of the September 9, 2021, regular meeting, public hearing, and Fourth Generation Plan Kickoff**.* *Motion carried unanimously.*

Motion by Johnson, second by Butcher to approve the **minutes of the September 9, 2021, regular meeting, public hearing, and Fourth Generation Plan Kickoff**.* *Motion carried unanimously.*

[Vlasin arrived 12:50 p.m.]

III. Finances and Reports.

A. Motion by Schoch, second by Roach to approve the Shingle Creek **October Treasurer's Report* and claims** totaling \$39,784.35 plus an **additional claim*** by the City of Robbinsdale for the spring



and fall Crystal Lake alum treatments in the amount of \$52,776.69. Voting aye: Vlasin, Prasch, Orred, Jaeger, Schoch, Roach, Polzin, and Sicora; voting nay – none; absent – New Hope.

B. Motion by Butcher, second by Prasch to approve the **West Mississippi October Treasurer's Report* and claims** totaling \$9,097.31. Voting aye: Vlasin, Prasch, Butcher, Jaeger, and Johnson; voting nay – none.

IV. Open Forum.

Noted was an article in the September-October issue of the League of Minnesota Cities' Cities Magazine entitled, "**Sartell Winter Road Program Saves Money, Reduces Runoff.**" Sartell's City Administrator Anna Gruber stated that the city has saved nearly \$152,000 over the six years it has been applying a brine of water and ordinary road salt to roadways before snowfalls. "Snowfalls were easily absorbed more quickly in the brine than when using dry road salt, and this allowed staff to limit the amount of on-call and overtime report-backs to work. Pretreatment turned our snowplowing from reactive to proactive maintenance."

V. Project Review.

SC2021-06 North Metro Range, Maple Grove.* Construction of a multipurpose training area, shooting bay and concrete pad on the east side of the site as well as expansion of the west parking lot on a 3.76-acre site located at 11370 89th Avenue North. Following development, the site will be 53 percent impervious with 2 acres of impervious surface, an increase of 1.4 acres. A complete project review application was received on September 28, 2021.

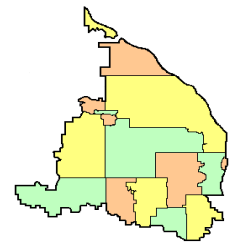
To comply with the Commission's water quality treatment requirement, the site must provide ponding designed to NURP standards with dead storage volume equal to or greater than the volume of runoff from a 2.5" storm event, or BMPs providing a similar level of treatment - 85% TSS removal and 60% TP removal. Infiltrating 1.3-inches of runoff, for example, is considered sufficient to provide a similar level of treatment. If a sump is used the MnDOT Road Sand particle size distribution is acceptable for 80% capture.

All runoff is proposed to be routed to one infiltration basin on the east side of the site. The volume of runoff from the 1.3" storm is 0.21 acre-feet. The proposed project can infiltrate 0.22 acre-feet. Runoff from the west will be pretreated with sump manholes first. The applicant meets Commission water quality treatment requirements.

Commission rules require that site runoff is limited to predevelopment rates for the 2-, 10-, and 100-year storm events. The proposed discharge to the west is slightly greater than existing discharge. In a phone conversation between Ed Matthiesen and Derek Asche from the City of Maple Grove the minor increase in rate is allowable to the city storm sewer and there are no downstream flood risks. The applicant meets the Commission runoff rule.

Runoff from the site will infiltrate into an infiltration basin. The Commission rules require the site to infiltrate 1.0 inch of runoff from new impervious area within 48 hours. The new impervious area on this site is 1.96 acres, requiring infiltration of 7135 cubic feet within 48 hours. The applicant proposes an infiltration basin that has the capacity to infiltrate the 1.3" storm volume within 48 hours. The applicant meets Commission volume control requirements.

The erosion control plan includes a rock construction entrance, perimeter silt fence/biolog, inlet protection, rip rap at inlets. 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 low floor elevations of the buildings are at least two feet higher than the high-water elevation of the detention ponds/infiltration basins according to Atlas 14 precipitation. The applicant meets Commission floodplain requirements.

The site is in a Drinking Water Management Area but is outside of the Emergency Response Area. Therefore, infiltration is permitted if passing through filter media. The applicant is proposing 18" of bioretention soil media above 12" of granular media. Additionally, sand is below the granular media and groundwater was not detected in the 40' deep borings. The applicant meets Commission drinking water protection requirements.

A public hearing on the project will not be held as this project qualifies for the City's Internal Site Plan Review Process. The City has made the public aware of this project and invited their comments by notifying adjacent property owners and residential properties within a 500 foot radius via letter and hosting an open house at the Range on September 19, 2021. The public has been made aware of the project, meeting Commission public notice requirements.

A draft Operations & Maintenance (O&M) agreement between the applicant and the City of Maple Grove must be provided.

Motion by Schoch, second by Jaeger to advise the City of Maple Grove that project SC2021-06 is approved subject to the following conditions:

1. Provide a complete O&M agreement between the applicant and the City of Maple Grove for all stormwater facilities on the project site.
2. Demonstrate by double ring infiltrometer or witness test that the site can meet the design infiltration rate of 0.8 inches/hour.

Motion carried unanimously.

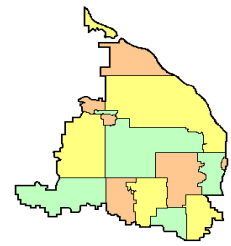
VI. Fourth Generation Watershed Management Plan.

A. Kemmitt led off discussion with a recap of **stream and lake water quality trends**.* Trends at stream sites on Bass Creek (BCP) and Shingle Creek at SC-3 and SC-0 were shown. Soluble phosphorus (P) at all three sites has been significantly reduced, as has Total Suspended Solids (TSS) at SC-0.

A Third Generation Plan goal of improving water quality in certain lakes by over 10% over the average of the previous ten years was met in Bass, Pomerleau, Cedar Island, Magda, Pike, Eagle, and Upper Twin lakes. Water clarity was degraded or significantly degraded in Lower Twin, Middle Twin, Meadow, Schmidt, Crystal, and Ryan lakes. No change was noted in Lake Success.

B. Included in the meeting packet were three documents:

1. A recap of **Third Generation Plan activities**.* Discussed were Plan Amendments, the regulatory program, monitoring program, education and outreach program, special studies, research projects, progress toward TMDLs, cost share projects, grants, capital projects, and evaluation of goals, strategies, and priorities.



2. **Directions*** for completing a “homework assignment.”

3. **Self-Assessment Homework.*** Questions included were:

a. What do you consider to be the **top 3** most successful achievements of the 3rd Generation Plan? This could be completed or started projects, new partnerships, outreach events, etc.

b. What are the **top 3** areas or problems related to surface waters the watersheds could do better addressing? These could be specific impairments, knowledge gaps, engagement, etc.

c. What are the **top 3** things you’d like to accomplish in the next ten years as part of the 4th Generation Plan? Make these as specific as possible. Examples: update website, delist a lake, X number of wetland restorations, etc.

d. What are the **top 3** actions or opportunities that can be leveraged to achieve the things you listed in question c? This could be new/enhanced partnerships, more grant funding, etc.

The Commissioners and others present provided their responses to these questions on a “white board,” which will be summarized by Staff and brought forward at the November meeting.

VII. The October Technical Advisory Committee (TAC) meeting preceded this meeting. The meeting consisted of participating in the homework assignment described above as well as a [presentational update of the Meadow Lake drawdown project* by Megow](#) (see item VIII.B., below).

[As reported earlier, Phases 1 and 2 of the SRP Channel Extension project will move forward as one project.](#)

The next TAC meeting will be held via Zoom and is scheduled for 11:00 a.m., prior to the Commissions’ November meeting. *[This meeting was subsequently cancelled.]*

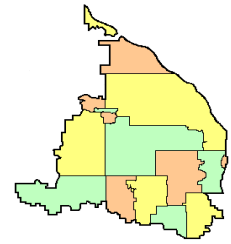
VIII. Water Quality.

A. Motion by Schoch, second by Jaeger to authorize the chair to execute an **amendment to the recently completed Gaulke Pond and Crystal Lake Pump Operating Plan.*** The cost of the work provided in the amendment totals \$5,000, to be shared equally by the cities of Crystal and Robbinsdale. *Motion carried unanimously.*

B. Meadow Lake Drawdown.* Permits have been approved by the DNR for both the Meadow Lake and the Golf Course pond drawdowns. Quotes have been received from four dewatering contractors and one will be selected by the City of New Hope on October 25. Goals of the drawdown include removing the fathead minnow population and limiting recolonization, reducing curly-leaf pondweed to non-nuisance levels, and consolidating sediment. A pool in the southwest portion of Meadow Lake will be allowed for turtle refuge. The drawdown is anticipated to begin in late November. A full freeze should occur from December to February, with pond and lake refill occurring in March 2022.

IX. Grant Opportunities.

The Commission should know the success of its Board of Water and Soil Resources (BWSR) Clean Water Fund grant application for the proposed **Palmer Lake/Schmidt Creek Stream Restoration project** in December.



X. Education and Public Outreach.

The West Metro Water Alliance (WMWA) met on October 12, 2021. Emphasis was on finalizing flyers for water softener use, pet waste, and chloride.

Five resumes have been received for the **Watershed PREP educator position**. Roach will assist with the interview process.

The **next WMWA meeting** is scheduled for 8:30 a.m., Tuesday, November 9, 2021. This will be a Zoom meeting.

XI. Staff Report.

No staff report this month.

XII. Communications.

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

B. Plymouth Regenerative Air Sweeper.* Scharenbroich reported on the estimated pollutant removals per curb mile and per removal pounds of the Sweeper which was funded, in part, by the Commission's 2020 CIP levy. The figures in his report do not include this fall's sweeping results. He was asked if the data can be analyzed by receiving water and subwatershed.

XIII. Other Business.

A. Spector announced that she and Laura Jester, Administrator for Bassett Creek, are working on **future partnerships** between the WMOs.

B. **Motion by Schoch, second by Roach to move the November meeting to November 4 so as not to conflict with Veterans/Armistice Day. Motion carried unanimously.**

Motion by Butcher, second by Jaeger to move the November meeting to November 4. Motion carried unanimously.

XIV. Adjournment. There being no further business before the Commissions, the joint meeting was adjourned at 2:26 p.m.

Respectfully submitted,

Handwritten signature of Judie A. Anderson.

Judie A. Anderson,
Recording Secretary

JAA:tim

Z:\Shingle Creek\Meetings\Meetings 2021\October 14 2021 meeting minutes.docx