



3235 Fernbrook Lane N • Plymouth, MN 55447
 Tel: 763.553.1144 • Fax: 763.553.9326
 Email: judie@jass.biz • Website: www.shinglecreek.org

June 3, 2021

Commissioners
 Members of the TAC
 Shingle Creek and West Mississippi
 Watershed Management Commissions
 Hennepin County, Minnesota

The agendas and meeting packets for both the TAC and regular meetings are available to all interested parties on the Commission's web site at
<http://www.shinglecreek.org/tac-meetings.html> and
<http://www.shinglecreek.org/minutes--meeting-packets.html>

Dear Commissioners and Members:

Regular meetings of the Shingle Creek and West Mississippi Watershed Management Commissions will be held **Thursday, June 10, 2021, at 12:45 p.m.** This will be a virtual meeting.

The Joint SCWM Technical Advisory Committee will meet at 11:30 a.m., prior to the regular meetings.

Until further notice, all meetings will be held online to reduce the spread of COVID-19. **To join a meeting**, click <https://us02web.zoom.us/j/834887565?pwd=N3MvZThacmNRVDFrOWM3cU1KRU5qQT09>, which takes you directly to the meeting.

OR, go to www.zoom.us and click **Join A Meeting**. **Please use the regular meeting ID and passcode for both meetings.** The meeting ID is **834-887-565**. The passcode for this meeting is **water**.

If your computer is not equipped with audio capability, you need to dial into one of these numbers:
 +1 929 205 6099 US (New York) +1 312 626 6799 US (Chicago) +1 669 900 6833 US (San Jose)
 +1 346 248 7799 US (Houston) +1 253 215 8782 US +1 301 715 8592 US

Meetings remain open to the public via the instructions above.

Please email me at judie@jass.biz to confirm whether you or your Alternate will be attending the regular and TAC meetings. Thank you.

Regards,

Judie A. Anderson
 Administrator

cc: Alternate Commissioners
 Wenck-Stantec

Member Cites
 BWSR

Troy Gilchrist
 MPCA

TAC Members
 Met Council

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A meeting of the joint Technical Advisory Committee (TAC) of the Shingle Creek and West Mississippi Watershed Management Commissions is scheduled for **11:30 a.m., Thursday, June 10, 2021**. This will be a virtual meeting. **For this meeting we will use the regular meeting ID and passcode. The meeting ID is **834-887-565**, the passcode is **water**. If your computer is not equipped with audio capability, dial into one of these numbers:**

+1 929 205 6099 US (New York) | +1 312 626 6799 US (Chicago) | +1 253 215 8782 US |
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June 10, 2021

A G E N D A

1. Call to Order.
 - a. Roll Call.
 - b. Approve Agenda.*
 - c. Approve Minutes of Last Meeting.*
2. Presentations:
 - a. Ryan Lake SWA.
 - b. SRP Channel Filter.*
3. Fourth Generation Plan Scoping.*
4. Project Updates.
5. Other Business.
6. Next TAC meeting is scheduled for July 8, 2021.
7. Adjournment.

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MINUTES

May 13, 2021

A virtual 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 11:32 a.m., Thursday, May 13, 2021.

Present were: Andrew Hogg, Brooklyn Center; Mitch Robinson, Brooklyn Park; Mark Ray, Crystal; Derek Asche, Maple Grove; Liz Stout, Minneapolis; Megan Hedstrom, New Hope; Ben Scharenbroich and Amy Riegel, Plymouth; Richard McCoy and Marta Roser, Robbinsdale; Ed Matthiesen and Diane Spector, Wenck/Stantec; and Judie Anderson and Amy Juntunen, JASS. Not represented: Champlin and Osseo.

Also present: Burt Orred, Crystal.

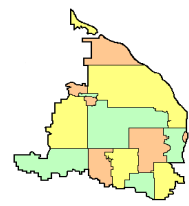
- I. Motion by Ray, second by Riegel to **approve the agenda**. * *Motion carried unanimously.*
- II. Motion by Ray, second by Hogg to **approve the minutes*** of the April 8, 2021 meeting. *Motion carried unanimously.*
- III. **Draft 2021 CIP**. * Based on the proposed Minor Plan Amendment, the following is the draft 2021 CIP for further consideration. Cities with projects on the CIP should be prepared to submit a feasibility overview at the July TAC meeting so the Commissions can review in August and call for a public hearing on the projects. (The 2020 Shingle Creek levy was \$1,405,165 and the West Mississippi levy was \$287,660.)

Table 1. Shingle Creek 2021 CIP Projects (2022 levy).

| Project | Total Est. Cost | City/ Private | Grant | Commission Share | Total Levy Amount |
|--|------------------|------------------|------------|------------------|-------------------|
| Cost share (city projects) | \$200,000 | \$100,000 | 0 | \$100,000 | \$106,050 |
| Partnership cost share (private projects) | 50,000 | 0 | 0 | 50,000 | 53,025 |
| Palmer Lake Estates Bass Creek Restoration | 600,000 | 0 | 0 | 600,000 | 636,300 |
| Phase 2 SRP Channel Extension | 125,000 | 0 | 0 | 125,000 | 132,565 |
| Subtotal | \$975,000 | \$100,000 | \$0 | \$875,000 | |
| 5% additional for legal/admin costs | | | | 43,750 | |
| Subtotal | | | | 918,750 | |
| TOTAL LEVY (101% for uncollectable) | | | | \$927,940 | \$927,940 |

Table 2. West Mississippi 2021 CIP Projects (2022 levy).

| Project | Total Estimated | City/ Private | Grant | Commission Share | Total Levy Amount |
|--|------------------|-----------------|-------------|------------------|-------------------|
| Cost share (city projects) | \$100,000 | \$50,000 | 0 | \$50,000 | \$53,025 |
| Partnership Cost Share | 100,000 | 0 | 0 | 100,000 | 106,050 |
| Subtotal | \$150,000 | \$50,000 | \$ 0 | \$150,000 | |
| 5% additional for legal/admin costs | | | | 7,500 | |
| Subtotal | | | | 157,500 | |
| TOTAL LEVY (101% for uncollectable) | | | | \$159,075 | \$159,075 |



The members also discussed inclusion in the CIP policy of repairs to “older” projects. This will be a discussion at a future TAC meeting.

[Asche arrived 11:54 a.m.]

IV. Becker Park Infiltration Project – 2020 Performance.

Included in the meeting packet was a copy of Wenck-Stantec’s May 4, 2021 memo* to the City of Crystal. The purpose of this memo is to provide figures and summarize the water level monitoring data that was collected at Becker Park within the underground infiltration system during the summer of 2020.

Water level loggers were installed at two locations within the system, upstream and downstream of each weir structure, and in two monitoring wells. The loggers recorded data at 15-minute intervals. An overview of system performance showed:

- Rain event intensity and duration will affect the system’s response.
- Runoff reaches system quickly after the beginning of a rain event
- System infiltrates at a higher rate at the beginning of events when it is empty
- System has handled back-to-back events and is able to infiltrate water quickly
- Localized groundwater mounding occurs at PZ-1; no measurements collected in 2020 are concerning for adjacent properties.

The Becker Park system was designed to maximize the available footprint within the park, and the resulting water quality volume of the system corresponds to approximately 0.73 inches of runoff from the contributing watershed.

The memo includes figures showing water level logger data from five events over the course of 2020. Each event is presented as its own figure, and observations from each event are noted. All referenced precipitation amounts were recorded at the Crystal Municipal Airport and were retrieved from the Midwestern Regional Climate Center’s online cli-MATE web application.

The results show that the system is receiving stormwater from the contributing area as expected.

V. Updates.

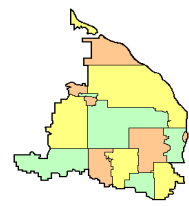
A. HUC 8 Model. Matthiesen gave a verbal update. The DNR has the models and documents and is reviewing at their schedule. We expect to hear from the DNR in June.

B. Ryan Lake SWA. Matthiesen reported that model runs have been completed and the report is being written. An information coordination meeting is being schedule for the week of May 24th with the DNR although a state permit is not required. Modeling indicates earlier pumping from the Crystal and Robbinsdale ponds to Twin Lake and Ryan Creek results in the best outcome to take advantage of flood storage timing.

C. Crystal Lake Management Plan. An action item at the regular meeting that follows this meeting is to approve a contract with WSB for carp management. Their work will begin the first week of June. Crystal Lake will be monitored for water quality this year as well.

D. Bass Lake Curlyleaf Pondweed Treatment will occur between May 10 and May 30 upon approval at the regular meeting of the Limnopro contract to perform the service. Three separate areas of the lake are recommended for treatment.

E. Meadow Lake Alum Treatment. Have been in contact with the DNR who are reviewing our plans and their effects on wildlife.



F. Grants have been executed for the **Connections II** and **Meadow Lake** stream restoration projects.

G. **639W Channel Modification to Enhance SRP Removal.** The grant has been executed and Wenck is preparing a scope of work for the City of Crystal. MAC wants to renegotiate the lease agreement with Crystal and Brooklyn Center. It was advised at the TAC meeting that the lease negotiation should proceed on a separate schedule from the SRP project.

VI. **Other Business.**

A. Scharenbroich announced that the City of Plymouth is creating a **street sweeping video** this morning.

B. **Robbinsdale Project.** McCoy shared the most recent photo of the Water Treatment Plant construction site.

C. It was suggested that Todd Shoemaker from Wenck-Stantec be invited to the next TAC meeting to discuss the **Ryan Lake subwatershed hydrology results.**

D **Next meeting** – 11:30 a.m., Thursday, June 10, 2021, prior to the regular meeting. This will be a virtual meeting.

There being no further business, the meeting was adjourned at 12:14 p.m.

Respectfully submitted,

Judie A. Anderson
Recording Secretary
JAA:tim

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To: Shingle Creek WMO TAC

From: Ed Matthiesen, P.E.
Diane Spector
Brian Kallio, P.E.

Date: June 4, 2021

Subject: SRP Channel Filter Update

**Recommended
TAC Action**

Review and make a recommendation to the Commission to proceed with the scope and schedule presented.

At the TAC meeting on June 10 we will make a short presentation updating the SRP Channel Filter project and present a proposed project scope and schedule. The Commission will consider a Scope of Services for design and construction oversight at its June 10 meeting.

To: Shingle Creek/West Mississippi WMO TAC/Commissioners

From: Ed Matthiesen, P.E.
Diane Spector

Date: June 4, 2021

Subject: Fourth Generation Plan Scoping

| | |
|---------------------------|--------------------------------|
| Recommended Action | Discuss and provide direction. |
|---------------------------|--------------------------------|

This will be a brainstorming session to start thinking about what to include in the Fourth Generation Watershed Management Plan and how to proceed. We will use the outcome of the brainstorming to put together a scope of work and budget for consideration at the July TAC/Commission meetings. For more information about Metro-area watershed planning, see: <http://www.bwsr.state.mn.us/metro-update>.

The Third Generation Plan was approved by the Board of Water and Soil Resources (BWSR) March 2013 and adopted in April 2013. The Plan covers the period 2013-2022, meaning the Commissions should plan on achieving a BWSR-approved plan by the end of 2022 so it can be in place to cover the period 2023-2032. To allow six months for the review and approval process, we should plan on having a draft Fourth Generation Plan complete by mid-2022, or one year from now.

Under State Statutes and Minnesota Rules 8410, which govern what must be included in the watershed management plan, much of the background information that was developed over the course of the first three plans does not need to be repeated except to reflect any changed conditions, such as updated land use information, or newly-identified Impaired Waters. Most of the focus will be on updating goals and policies and the Implementation Plan. However, as long as you meet the regulatory minimums for what must be in the Plan, the rest is up to you.

As you brainstorm process and topics you may want to cover, here are a few that have come up in previous discussions or by staff brainstorming. These are a starting point; please feel free to suggest other topics to be considered. Again, the purpose of this discussion is not to solve or debate these questions but for staff to get a better understanding of the level of effort to address them and to complete the Plan update.

1. Do the Commissions wish to revisit merging into a single Joint Powers Organization or remain separate but jointly administered? The current JPA terminates January 1, 2025 so at a minimum it must be renewed during the life of the Fourth Generation Plan.
2. Presumably the existing TAC will serve as the TAC for the Plan. Do you wish to recruit and involve a Citizens Advisory Committee (CAC)? If so, how?
3. How do you want to involve elected officials or City Managers? In past planning we have had a single meeting for City Managers to get them up to speed and hear their needs and thoughts.
4. What type of public participation process should be undertaken for this Plan? What should be the role of the lake associations? Since much of the watershed falls into the MPCA's Areas of Environmental Justice Concern, should be plan on making a special effort to reach out to underserved communities or non-English speakers?
- 5.

now
part of

Stantec

6. Do you want the Plan to be a simple update that consists mainly of Implementation Plan, or do you want a stand alone plan that also incorporates all the inventory data and TMDL 5 Year Review findings that serves as a more comprehensive volume?
7. One big policy question is: as implementation expands from solely “bricks and mortar” type capital projects to include other ongoing or maintenance type activities such as rough fish management, aquatic invasive species management, maintenance of installed projects, etc., who should be responsible for each and how should they be financed? Where is the line between city responsibility and Commission responsibility?
8. Another big policy question is addressing sustainability and resiliency and addressing the impacts of climate change on water and natural resources. What are your thoughts about level of focus?
9. Are there updates to the current Rules and Standards that need to be considered? At a minimum there are some modifications that are necessary to reflect the most recent General Stormwater permit, but are there others?
10. Are there other policy topics that need to be covered during the plan process?