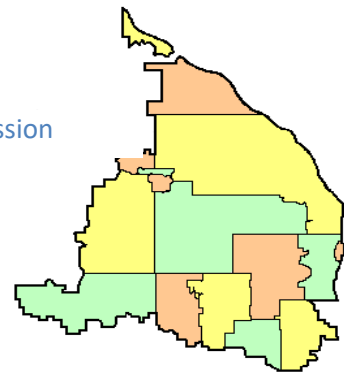




Watershed Management Commission



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**MINUTES**  
**Regular Meeting**  
**February 12, 2020 CORRECTION February 13, 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 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, February ~~12~~ **13**, 2020, at Edinburgh USA, 8700 Edinbrook Crossing, Brooklyn Park, MN.

Present for Shingle Creek were: David Vlasin, Brooklyn Center; Adam Quinn, Brooklyn Park; Burton Orred, Jr., Crystal; Karen Jaeger, Maple Grove; Bill Wills, New Hope; Harold E. Johnson, Osseo; Andy Polzin, Plymouth; Ed Matthiesen and Diane Spector, Wenck Associates, Inc.; Troy Gilchrist, Kennedy & Graven; and Judie Anderson, JASS.

Not represented: Minneapolis and Robbinsdale.

Present for West Mississippi were: David Vlasin, Brooklyn Center; Alex Prasch, 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 Judie Anderson, JASS.

Also present were: Andrew Hogg, Brooklyn Center; Mitch Robinson, Brooklyn Park; Todd Tuominen, Champlin; Derek Asche, Maple Grove; Liz Stout and Shahram Missaghi, Minneapolis; Bob Grant and Megan Hedstrom, New Hope; John Roach, Osseo; Leah Gifford, Ben Scharenbroich and Amy Riegel, Plymouth; Richard McCoy and Marta Roser, Robbinsdale; Laura Scholl and Jennifer Ehlert, Metro Blooms for item IV.C.; ReNae Bowman, Crystal; and James Kelly, Osseo.

**II. Agendas and Minutes.**

Motion by Orred, second by Wills to approve the revised **Shingle Creek agenda**.\* *Motion carried unanimously.*

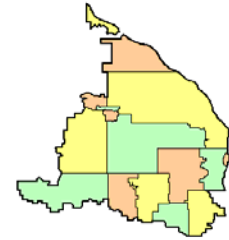
Motion by Butcher, second by Johnson to approve the revised **West Mississippi agenda**.\* *Motion carried unanimously.*

Motion by Orred, second by Wills to approve the **minutes of the January regular meeting**.\* *Motion carried unanimously.*

Motion by Johnson, second by Vlasin to approve the **minutes of the January regular meeting**.\* *Motion carried unanimously.*

**III. Finances and Reports.**

A. Motion by Jaeger, second by Wills to approve the Shingle Creek **February Treasurer's Report**.\* *Motion carried unanimously.*



Motion by Jaeger, second by Johnson to approve the **Shingle Creek February claims.\*** Claims totaling \$28,961.47 were *approved by roll call vote: ayes – Vlasin, Quinn, Orred, Jaeger, Wills, Johnson, and Polzin; nays – none; absent – Minneapolis and Robbinsdale.*

**B.** Motion by Johnson, second by Jaeger to approve the **West Mississippi February Treasurer's Report.\*** *Motion carried unanimously.*

Motion by Johnson, second by Butcher to approve the **West Mississippi February claims.\*** Claims totaling \$13,239.30 were *approved by roll call vote: ayes – Vlasin, Prasch, Butcher, Jaeger, and Johnson; nays – none.*

#### **IV. Open Forum.**

**A. ReNae Bowman,** Master Water Steward Appointee, presented her Capstone Project.\* As an appointee, Bowman is required to take classes and plan and successfully execute a Capstone Project. This program was developed by the Freshwater Society for the MPCA. Her project includes evaluating and revitalizing Crystal's current 125 raingardens and offering alternative runoff abatement methods to those without raingardens. She may be reached at [renaebowman37@gmail.com](mailto:renaebowman37@gmail.com) to learn more about the Master Water Steward program and her project. It was suggested that the Master Water Steward program be considered as a Commission budget line item for 2021.

**B. James Kelly.** After reading the Commission's Work Plan and the draft NPDES Report, Kelly expressed a desire to see the Commission's education program expanded so that Osseo students can participate and contribute. He suggested more hands-on and relevant activities for the students. Spector described the Commissions' participation in the West Metro Water Alliance (WMWA) and the Watershed PREP program. She explained that the program is conducted by certified educators within Minnesota State Education Standards.

**C.** In January the City of Brooklyn Park submitted a Partnership Cost Share Program application on behalf of Boisclair Corporation and Metro Blooms for improvements at **Brooks Landing Senior Apartments.** The request was for \$50,000. Improvements include replacing the parking lot, adding two raingardens to treat runoff from the parking lot and sidewalk, and adding amenities such as benches and landscaping. The Technical Advisory Committee (TAC) recommended to the Commission that the project be funded at \$20,000. The Shingle Creek Commission approved funding at that amount at their January 9, 2020 meeting.

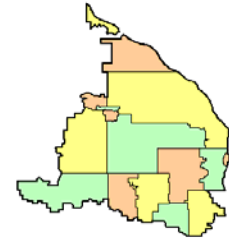
Metro Blooms staff returned to the TAC with a revised proposal.\* After revisiting stormwater modeling and site design they are able to capture 3.9 pounds of TP annually and have requested an additional \$10,000 from the January 9th TAC recommendation for a total of \$30,000. This site was awarded a Lawns to Legumes demonstration site and funding from that grant will also be applied to the raingarden. At their meeting prior to this meeting the TAC recommended that the Commission provide \$10,000 of additional funding for this project.

Motion by Orred, second by Willis to approve this recommendation. *Motion carried unanimously.*

#### **V. Election of Officers.**

**A.** Hearing no further nominations, motion by Quinn, second by Wills to elect the following officers for the year 2020 for the Shingle Creek Commission:

- 1.** Chair - Andy Polzin, Plymouth



2. Vice Chair - Wayne Sicora, Robbinsdale
3. Secretary - Karen Jaeger, Maple Grove
4. Treasurer - Harold Johnson, Osseo

*Motion carried unanimously.*

**B.** Hearing no further nominations, motion by Prash, second by Butcher to elect the following officers for the year 2020 for the West Mississippi Commission:

1. Chair - Gerry Butcher, Champlin
2. Vice Chair - David Vlasin, Brooklyn Center
3. Secretary/Treasurer - Karen Jaeger, Maple Grove

*Motion carried unanimously.*

## **VI. Project Review.**

**WM2020-001 River Park Improvement Project, Brooklyn Park.\*** Renovation of park facilities and creation of a stormwater treatment pond on 10.07 acres located at 81st Avenue North. Following development, the site will be 56 percent impervious with 5.68 acres of impervious surface, an increase of 0.83 acres. The complete project application was received on January 31, 2020.

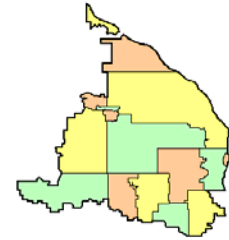
To comply with the Commission's water quality treatment requirement, the site must provide ponding designed to NURP standards with dead storage volume equal to or greater than the volume of runoff from a 2.5" storm event, or BMPs providing a similar level of treatment - 85% TSS removal and 60% TP removal. 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.

Runoff from the site is proposed to be routed to an existing stormwater pond on the north side of the park, a newly constructed stormwater pond on the southeast portion of the park, and a rain garden in the center of the south parking lot. Runoff from new trail construction in the southern portion of the park will be treated by a downgradient vegetated buffer. 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. Runoff from the site is routed to stormwater ponds, vegetated trail buffer, and a rain garden. The applicant meets Commission rate control requirements

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 0.83 acres, requiring infiltration of 0.07 acre-feet (3049 CF) within 48 hours. The applicant proposes that new trail in the north part of the park will be treated by the adjacent existing stormwater wetland, and that new trail through the center of the park will be treated by over 40 feet of down-gradient buffer. The remaining runoff will be treated by a biofiltration basin in the south parking lot that has the capacity to infiltrate the rest of the required volume within 48 hours. The applicant meets Commission volume control requirements.

The erosion control plan includes two rock construction entrances, perimeter silt fence, sediment control log on sloped areas, silt fence along stormwater ponds, rip rap at inlets, and native seed specified on the pond and rain garden slopes. The applicant should include silt fence surrounding the newly constructed biofiltration basin in the south parking lot. Silt fence should be extended along the newly constructed stormwater pond at the south end of the park to completely surround the basin. Enclosing the



new stormwater pond and raingarden will prevent sedimentation and compaction during vegetation establishment. The applicant should also move the rock construction entrance in the south parking lot of the park further west along 81st Avenue North to the intersection with Mississippi Lane. Doing so will ensure that sediment from the bituminous removal along 81st Avenue is properly controlled. The erosion control plan meets Commission requirements.

A Level 2 wetland delineation identified three wetlands on site that will be impacted by the project. The Commission is the LGU for WCA administration in Brooklyn Park and has approved impacts to the wetlands. Wetland permitting is being handled separately from this application.

There are Public Waters adjacent to this site. The Mississippi River is a DNR Public Water bordering the east side of the park. It is impaired for total suspended solids and bacteria. The proposed project is not anticipated to negatively impact the river or its Aquatic Consumption/Aquatic Recreation status. The applicant meets Commission Public Waters requirements.

The park is within the FEMA 100-yr floodplain. The floodplain elevation is 821.4 ft. The new park structure on the south site of the park has a low-floor elevation of 822 ft, which is not at least two feet higher than the FEMA 100-yr floodplain; however, the city of Brooklyn Park has a floodplain ordinance (152.514) that permits this new construction because it is non-habitable and accessory to park uses. The project will result in a net increase in floodplain storage, mostly due to the construction of the stormwater treatment pond. Flood storage will increase by 1,712 CY. The applicant meets Commission floodplain requirements.

The site is not located in a Drinking Water Management Area (DWSMA). The applicant meets Commission drinking water protection requirements.

Several public meetings have been conducted for the project, beginning in 2017 and most recently on January 29, 2020. The applicant meets Commission public notice requirements.

An Operations & Maintenance (O&M) plan is not needed for this project because the park is owned and operated by the City of Brooklyn Park.

Motion by Jaeger, second by Prasch to advise the City of Brooklyn Park that approval of Project WM2020-001 is granted with two conditions:

1. Install silt fencing around the newly constructed raingarden. Extend silt fencing to completely surround newly constructed stormwater treatment pond.
2. Move southern rock construction entrance to the egress point.

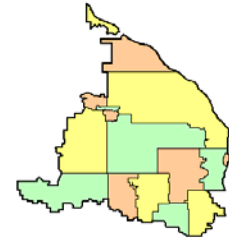
*Motion carried unanimously.*

## **VII. Watershed Management Plan.**

A recurring question is how to **fund the cost of maintenance** associated with the projects the Commissions undertake. At the Technical Advisory Committee (TAC) meeting prior to this meeting the members agreed to ask the Commissions to direct the TAC to consider this matter.

Motion by Jaeger, second by Vlasin directing the TAC to research this subject. *Motion carried unanimously.*

Motion by Butcher, second by Jaeger directing the TAC to research this subject. *Motion carried unanimously.*



Gilchrist will contact the County Attorney to get a firm response as to whether the Commissions can levy for maintenance costs.

#### VIII. Water Quality.

**A. Shingle Creek.** Each year the Shingle Creek Commission budgets and undertakes monitoring activities, including routine stream and lake monitoring and volunteer lake, stream, and wetland monitoring. Water quality and quantity monitoring on Shingle Creek and select lakes is performed by Wenck staff and the USGS and macroinvertebrate monitoring in Shingle Creek is performed by volunteers through the Hennepin County Environmental and Energy (HCEE) RiverWatch program. Lake monitoring is also performed by volunteers through Met Council's Citizen Assisted Lake Monitoring Program (CAMP). Wetland monitoring is conducted through HCEE's Wetland Health Evaluation Program (WHEP).

Staff's February 6, 2020 memo\* presents the proposed 2020 monitoring program. This proposal is consistent with the program set forth in the Third Generation Watershed Management Plan, which includes routine monitoring tasks, specific monitoring efforts to support Commission administered grants, and monitoring to evaluate progress toward the TMDLs every five years. This year the Commission will complete the 5-year biotic and DO TMDL review report for Shingle and Bass Creeks.

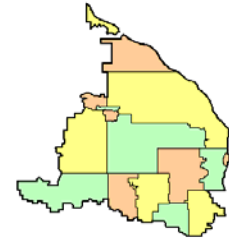
The proposed 2020 monitoring program includes routine streamflow and water quality monitoring (\$35,000); routine lake monitoring including intensive water quality monitoring and aquatic vegetation surveys (\$24,000); and monitoring to support grant projects (\$66,700, funded by various grants). The remaining \$1,800 in the budget will be used to fund planning meetings and cover other tasks related to field season preparation.

Staff's memo also describes the monitoring support for Bass and Pomerleau water quality monitoring, Curly Leaf Pondweed (CLP) delineation, and sediment coring; Crystal Lake water quality, SAV, sediment cores, and carp aging study; Twin Lake CLP delineation and carp aging study; and Ryan Creek carp removal. Volunteer monitoring through the CAMP, RiverWatch; and WHEP programs is also described.

Motion by Jaeger, second by Orred to accept the 2020 Shingle Creek Monitoring Plan sans the Twin Lake carp aging study. *Motion carried unanimously.*

**B. West Mississippi.** The Commission undertook stream and outfall monitoring in 1990-1992 and found that the water quality of runoff from the watershed was generally within ecoregion norms. Since much of the watershed was poised to develop under Commission rules regulating the quality and rate of runoff, the Commission elected to discontinue further monitoring. In 2010 and 2011 the Commission authorized a repeat of the 1990-1992 monitoring, to determine current conditions and evaluate whether the development rules were protective of downstream water quality. The Third Generation Plan and subsequent budgets have incorporated ongoing, routine monitoring for West Mississippi that includes monitoring flow and water quality at two sites per year on a rotating basis.

Staff's February 6, 2020 memo\* presents the proposed 2020 monitoring program. The 65th Avenue outfall and the Environmental Preserve outlet will be monitored in 2020 for flow and water quality using automatic samplers. Continuous flow will be monitored using pressure transducers, and water quality will be analyzed through field parameter measurements, periodic grab samples and storm composite sampling using ISCO automated samplers purchased by the Commission in 2010.



Due to continued difficulties accessing the 65th Avenue outfall in the past, Staff recommend moving the monitoring point to an upstream manhole and sub-contracting with the Mississippi Watershed Management Organization (MWMO) to perform the monitoring. MWMO has experience and equipment for doing stream monitoring in confined spaces like stormwater pipes and can perform the monitoring safely and efficiently. A draft agreement\* including a cost estimate from MWMO is included in the meeting packet and has been reviewed by the Commission's attorney.

The 2020 budget for routine monitoring is \$20,000; however, with the increased cost of performing in-manhole monitoring from MWMO, the cost could be up to \$24,200. Staff have identified a few options for 2020: 1) proceed with the monitoring plan as presented even though it exceeds the 2020 budget, and allocate up to \$4,200 from reserves to cover the overage; 2) choose another site other than the 65th Avenue outfall to monitor in tandem with the Environmental Preserve to stay within the 2020 budget; or 3) complete only the Environmental Preserve monitoring and continue to look into other options for future monitoring of the 65th Avenue outfall, which will require increased time and resources from Wenck staff. Staff recommends option 1. One reason for this recommendation is that MnDOT and its contract engineers are in the early stages of redesigning the TH252/I-94 corridor, and any available hydrologic data is helpful to them in understanding the hydrology and hydraulics of the area.

Staff's memo also describes the volunteer monitoring that will occur through the RiverWatch and WHEP programs.

Motion by Butcher, second by Jaeger to approve the Professional Services Agreement with the MWMO. *Motion carried unanimously.*

Motion by Jaeger, second by Butcher to accept the 2020 West Mississippi Monitoring Plan incorporating Option 1. *Motion carried unanimously.*

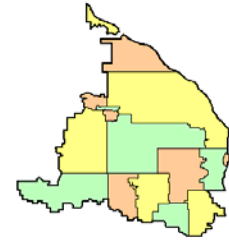
*[Prasch departed 2:27 p.m.]*

**C. CAMP.\*** Metropolitan Council is gearing up for the 2020 CAMP monitoring season. They are requesting the names of the lakes the Commission plans to enroll for 2020. According to the Commission's 2020 Water Quality Plan, Twin, Ryan, Meadow and Success will be monitored as part of 2020 CAMP.

**D. MTDs.\*** There has been ongoing discussion between representatives of various WMOs and cities in the metro area and the MPCA regarding **Manufactured Treatment Devices** (MTDs). WMOs and cities would like the MPCA to establish design standards and allowable performance efficiencies in the Stormwater Manual similar to other BMPs so there is some uniformity of analysis when doing project and permit reviews.

This group - led by Bassett, Nine Mile, Shingle, and Riley Purgatory Creeks and Ramsey-Washington - requested that the MPCA "Cooperate with and support the implementation of the Water Environment Federation's (WEF) Stormwater Testing and Evaluation of Products and Practices (STEPP) verification program, currently under development. Staff prefer this option because the STEPP verification program is already well along in its development, it will be a nationwide program, and MPCA staff are already engaged in the program. Once implemented, the STEPP verification program would validate MTD performance; it would be up to the states (e.g., the MPCA) to certify the MTDs.

Subsequently Mike Trojan at the MPCA held a wider listening session to hear from more entities about how MTDs are being used and how they are being credited. Included in Staff's February 7,



2020 memo are the notes from that meeting. Seth Brown, who is called out in the memo, is the STEPP coordinator at WEF. TAPE, which is also referenced, is the Washington State Technology Assessment Protocol – Ecology Program, which maintains a series of guidance documents.

If anyone is interested in being a part of any work group, contact Commission staff or Mike Trojan directly and they will forward that information. Otherwise, Staff will keep the Commissions apprised of any progress on this topic. It was the consensus of the TAC members that the Commissions should not fund devices as they are being certified. Certification should be paid for by the manufacturers.

**E. Minutes\*** of the January 9, 2020 TAC meeting were included in the meeting packet as information. The **next TAC meeting** is scheduled for 11:00 a.m., prior to the March 12, 2020 regular meeting.

**IX. Education and Public Outreach.**

**A. 2019 NPDES II (National Pollutant Discharge Elimination System Phase II) Annual Report.\*** The Commissions conducted a number of activities in 2019 in fulfillment of their Third Generation Management Plan education and public outreach goals. They are described in the draft report and may be extracted from the report by the member cities and incorporated into their own MS4 reports. Staff will email the report to the TAC members in Word format.

*Motion by Quinn, second by Wills to accept the report on behalf of the Shingle Creek Commission. Motion carried unanimously.*

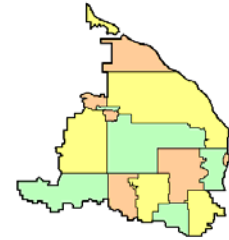
*Motion by Jaeger, second by Johnson to accept the report on behalf of the West Mississippi Commission. Motion carried unanimously.*

**B. WMWA.\*** The **West Metro Water Alliance** met on Tuesday, February 11, 2020. (Their next meeting is scheduled for 8:30 a.m., Tuesday, March 10, 2020, at Plymouth City Hall. Please check for the location of the meeting room due to building remodeling.)

**1. Watershed PREP and Education and Outreach Events** Educators have confirmed several school visits for spring semester. Amy Juntunen at JASS ([amy@jass.org](mailto:amy@jass.org)) has the up-to-date schedule\* should anyone wish to sit in on a classroom session. It is also included in the meeting packet. A reminder that the educators are available to table at city and school events, contact Juntunen. The educators, working with local cable provider CCX Media, filmed one of their classroom presentations and are preparing a short promotional video for Watershed PREP for use both in marketing to schools in the four watersheds as well as informing other watersheds about the program. The video is still being edited but should be available soon.

**2. Website/Social Media.** Catherine Cesnik, the new WMWA Coordinator, will be refreshing the WMWA website, [westmetrowateralliance.org/](http://westmetrowateralliance.org/), and updating content. Any input is appreciated. In addition, Cesnik has now taken over social media posting duties. She has compiled a list of city contacts and will be reaching out to them over the next few months to better understand how WMWA can be a resource. The WMWA steering committee particularly discussed options to collaborate on the new or enhanced education and outreach requirements in the draft MN NPDES General Permit.

**3.** Cesnik and Juntunen are also continuing to collaborate with Rice Creek WD, Blue Thumb, and other interested parties to coordinate fabrication of a tabletop version of the popular **native plant roots display**.



**C. Commission Website/Social Media.** The website Google Analytics for January 2020 are included in Staff's February 12 memo, along with the Facebook insights for the last 30 days for both Shingle Creek and WMWA. (Facebook Impressions are the number of times a post was viewed in a feed, Engagement is an action- a click, comment, share, or reaction.) The best-performing was a post on January 10, 2020 linking to a CCX media story about the Crystal Lake Management Plan that was shared to several other pages. January Facebook Metrics included: 147 total Likes (3 new), 2758 Impressions, 311 Engagements.

**D.** The Bassett Creek Watershed Management Commission is sponsoring a **Smart Salting workshop** at Plymouth City Hall on Friday, March 6, 2020. This is a Level 1 MPCA Certification Course for parking lots and sidewalks. It is free to attendees, but only two places remain open as of today.

**E. Salt Symposium 2020** will be held August 5, 2020 in Medina. The host, Fortin Consulting, is seeking sponsorships.

Motion by Jaeger, second by Orred to sponsor the symposium at \$250. *Motion carried unanimously.*

Motion by Butcher, second by Jaeger to sponsor the symposium at \$250. *Motion carried unanimously.*

**X. Grant Opportunities and Updates.**

**A. New Hope Cost-Share Reimbursement Request.** This item was withdrawn from the agenda for consideration at the March meeting.

**B.** Staff reported that the grant applications for the **Connections II project** and the **Meadow Lake project** were not funded.

**C.** Included in the meeting packet was an article\* about the **Biochar Group** in New South Wales, Australia. Spector found the article while Google-searching for articles about the Shingle Creek watershed for the NPDES report.

**XI. Communications.**

**A. January Communications Log.\*** No items required action.

**B.** Every year *Homeland Security Today\** honors stars in the community who are making their own unique, invaluable contributions to advance the mission of keeping American Safe. **Mark Ray, Director of Public Works for Crystal**, received a 2019 award in the category of Innovative Campaign to Forward Mission. He has effectively changed the relationship between the public works and emergency response communities into one of close collaboration and coordination.

**XII. Other Business.**

**XIII. Adjournment.** There being no further business before the Commissions, the joint meeting was adjourned at 2:47 p.m.

Respectfully submitted,

A handwritten signature in black ink that reads "Judie A. Anderson".

Judie A. Anderson, Recording Secretary  
JAA:tim