

MINUTES
Regular Meeting
March 12, 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 12:46 p.m. on Thursday, March 12, 2020, at Edinburgh USA, 8700 Edinbrook Crossing, Brooklyn Park, MN.

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

Not represented: Brooklyn Park and Minneapolis.

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 Judie Anderson, JASS.

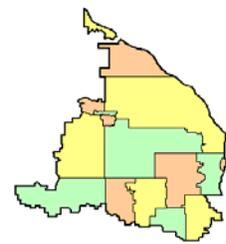
Also present were: Andrew Hogg, Brooklyn Center; Mitch Robinson, Brooklyn Park; Todd Tuominen, Champlin; Mark Ray, Crystal; Derek Ashe, Maple Grove; Ray Schoch, Liz Stout and Shahram Missaghi, Minneapolis; Megan Hedstrom, New Hope; John Roach, Osseo; Ben Scharenbroich and Amy Riegel, Plymouth; Richard McCoy and Marta Roser, Robbinsdale; Richard Kiesling, USGS; Brian Vlach, Three Rivers Park District; and James Kelly, Osseo.

Prior to the conduct of business, the members heard from Dr. Richard Kiesling from the United States Geological Survey (USGS). He spoke about *Advanced BMPs for Emerging Contaminants*. Dr. Kiesling provided information on the effectiveness of iron/sand filters on the removal of PFA's, bacteria, caffeine and other surface water pollutants associated with urban runoff.

II. **Agendas and Minutes.**

Motion by Orred, second by Jaeger to approve the **Shingle Creek agenda**.* *Motion carried unanimously.*

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



Motion by Jaeger, second by Orred to approve the **minutes of the February regular meeting.***
Motion carried unanimously

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

III. Finances and Reports.

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

Motion by Orred, second by Jaeger to approve the **Shingle Creek March claims.*** Claims totaling \$31,481.49 were *approved by roll call vote*: ayes – Vlasin, Orred, Jaeger, Grant, Johnson, Polzin, and Sicora; nays – none; absent – Brooklyn Park and Minneapolis.

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

Motion by Jaeger, second by Chesney to approve the **West Mississippi March claims.*** Claims totaling \$20,884.26 were *approved by roll call vote*: ayes – Vlasin, Chesney, Butcher, Jaeger, and Johnson; nays – none.

IV. Open Forum.

Brian Vlach, Senior Water Resources Manager at Three Rivers Park District (TRPD), was present to learn more about the Commissions and to discuss possible ways in which the Commissions and TRPD can partner on projects that incorporate water monitoring, expanding the scope of monitoring in the two watersheds while avoiding duplication of efforts. He will work with Commission staff to identify these projects.

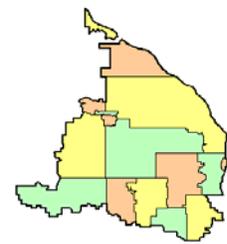
V. Project Reviews.

A. **SC2020-001 Crystal Airport, Crystal.*** Redevelopment of airport taxiways and runways and construction of a new airport road along the south perimeter of a 326-acre site located at 5800 Crystal Airport Road. Following development, the site will be 29 percent impervious with 94.1 acres of impervious surface, a decrease of 0.50 acres. A complete project review application was received on February 27, 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.

The project proposes increasing runoff routed to an existing infiltration basin and reducing runoff to Wetland 639. Increasing the amount of runoff routed to the infiltration basin will result in a 3-pound reduction in TP exported to Wetland 639. Runoff from new impervious areas will be routed to downgradient adjacent vegetation. The applicant meets Commission water quality treatment requirements.

Commission rules require the site to infiltrate 1.0 inch of runoff from new impervious area within 48 hours. There is no net increase in impervious area on this site. The applicant meets Commission volume control requirements.



The erosion control plan includes filter log roll as slope checks. The erosion control plan meets Commission requirements. No National Wetlands Inventory wetlands will be impacted. All work will be located at least 50 feet outside the probable wetland boundaries. 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 (DWSMA). The applicant meets Commission drinking water protection requirements.

A public hearing on the project was conducted on May 29, 2019 as part of Planning Commission and City Council review of this project, meeting Commission public notice requirements.

A draft Operations & Maintenance (O&M) agreement between the applicant and the City of Crystal is not required.

Motion by Orred, second by Jaeger to advise the City of Crystal that approval of Project Review 2020-001 is granted with no conditions. *Motion carried unanimously.*

NOTE: While discussing this project a Commissioner inquired as to how the Metropolitan Airport Commission handles deicing and refueling practices at this airport. Matthiesen posed that question to MAC. Mike Harder, their Environmental Administrator, responded:

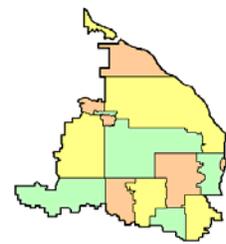
MAC does conduct pavement deicing during the winter season primarily on runways and taxiways. This industrial activity is followed under the Industrial Storm Water Permit. Extens[ive] inspections are conducted on the monthly basis to ensure BMP's are in place. Plus required stormwater sampling per permit requirements along with annual training to MAC staff. This would also apply in tenants conducting industrial activity that would require them to have a permit such as fueling. In addition, MAC has [an] Environmental Compliance Program along with leases to ensure tenants are meeting compliance standards. It is highly unlikely any operators out at [MAC] conduct aircraft deicing. I have ongoing communication with tenants about this subject matter to ensure compliance is being followed if this activity would become the norm. MAC has an SPCC plan in place to minimize spills and measures in place to address spill if that were to occur. I can also say the same for tenants if they meet this requirement.

In summary, MAC deices the pavement according to procedures noted in their Industrial Stormwater Permit and it is unlikely that aircraft deice. They have spill response measures in place as stated in their Spill Prevention Control and Counter measure plan to address spills that may occur during refueling. It is Matthiesen's opinion that MAC has plans and procedures in place to minimize spills and clean them up if they occur at the Crystal Airport.

B. WM2020-002 CBPAMES Building Additions & Renovations, Champlin.* Construction of a building addition, playground, and additional parking lot at the Champlin/Brooklyn Park Academy for Math and Environmental Sciences on a 19.5-acre site located at 6100 109th Avenue. Following development, the site will be 25 percent impervious with 4.8 acres of impervious surface, an increase of 0.5 acres. A complete project review application was received on February 27, 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 two new infiltration basins on the north side of the property. 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 will be directed to two new infiltration basins. 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 and reconstructed impervious area on this site is 1.729 acres, requiring infiltration of 6,272 CF within 48 hours. The applicant proposes the two new infiltration basins that have the capacity to infiltrate the required volume within 48 hours. The applicant meets Commission volume control requirements.

The erosion control plan includes a rock construction entrance, sediment control log surrounding the newly constructed infiltration basins, silt fence surrounding, inlet protection, rip rap at infiltration basin inlets, erosion control blanket on exposed soils, and seed mix specified in the infiltration basins. The erosion control plan meets Commission requirements.

The National Wetlands Inventory does not identify any wetlands on site, but a wetland determination identified one small wetland (0.002 acres) that will be filled in by the building addition. The City of Champlin is LGU for WCA administration.

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 (DWSMA). The applicant meets Commission drinking water protection requirements.

A public hearing on the project was conducted on October 10, 2019 as part of Planning Commission and City Council review of this project, meeting Commission public notice requirements.

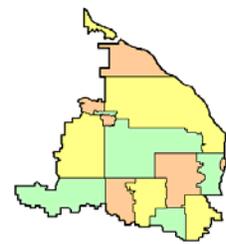
A draft Operations & Maintenance (O&M) agreement between the applicant and the City of Champlin was not provided. The newly constructed infiltration basins will be privately maintained.

Motion by Butcher, second by Chesney to advise the City of Champlin that Project Review 2020-002 is approved subject to assurance that the operations and maintenance plan for the new infiltration basins is agreeable to the City. *Motion carried unanimously.*

C. WM20020-003 Kurita, Brooklyn Park.* Construction of a building, parking lot, and loading dock on 54 acres of vacant farmland located at 6600 94th Avenue North. A 1.1-acre future expansion is anticipated. Following development, the site will be 15 percent impervious with 8 acres of impervious surface, an increase of 8 acres. A complete project review application was received on February 27, 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 three infiltration ponds on the property that have outlets on the north and southwest side of the property. The applicant has demonstrated that two of the onsite ponds meet the alternative design requirement of infiltrating 1.3 inches of runoff from the site, meeting Commission 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 three ponds on the property. 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 8 acres, requiring infiltration of 0.67 acre-feet within 48 hours. Two ponds on the property have the capacity to infiltrate 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, silt fence surrounding the newly constructed infiltration basins, inlet protection using flared end sections, erosion control blankets on basin slopes, and rock check dams. 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 infiltration basins according to Atlas 14 precipitation. The applicant meets Commission floodplain requirements. The site is located in a Drinking Water Management Area, but is outside the Emergency Response Area. The applicant meets Commission drinking water protection requirements.

Public hearings on the project will be conducted on March 11, 2020 and March 30, 2020 as part of Planning Commission and City Council review of this project, meeting Commission public notice requirements.

A draft Operations & Maintenance (O&M) agreement between the applicant and Brooklyn Park was not provided. The newly constructed infiltration basins will be privately maintained.

Motion by Chesney, second by Johnson to advise the City of Brooklyn Park that Project Review 2020-003 is approved subject to assurance that the operations and maintenance plan for the new infiltration basins is agreeable to the City. *Motion carried unanimously.*

VI. Watershed Management Plan.

The Commissioners expressed an interest in having a **standard presentation** they could give to their respective City Councils to highlight the Commissions' accomplishments. Attached to Staff's March 6, 2020 memo is a draft presentation that includes some general background information, some history, and some accomplishments as well as an overview of recent projects. The presentation is annotated to help the Commissioners make the presentation. Spector gave the presentation at the meeting and members provided input on revisions or additions for the final version.

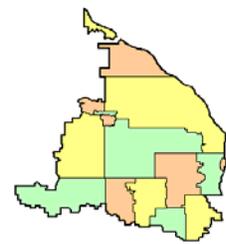
VII. Water Quality.

Minutes* of the February 13, 2020 TAC meeting were included in the meeting packet as information. The **next TAC meeting** [has been scheduled for 1:00 p.m., Monday, March 30, 2020, and will be a virtual meeting.]

VIII. Education and Public Outreach.

WMWA. The **West Metro Water Alliance** met Tuesday, March 10, 2020, at Plymouth City Hall. The next meeting will be held Tuesday, April 14, 2020 at 8:30 a.m. [and will be a virtual meeting as well.].

A. Watershed PREP and Education and Outreach Events. Educators are in the midst of school



visits for spring semester. Amy at JASS (amy@jass.biz) has the up-to date-schedule in the event anyone wishes to sit in on a classroom session. The educators are also available to table at city and school events. 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. The video should be available soon.

B. A sign maker has been identified to fabricate a lightweight tabletop **native plants roots display** and is in the process of developing a prototype. At least four entities including WMWA are interested in purchasing one for an estimated cost of \$2,200. The Blue Thumb roots display is one of the most popular items at events, but the current models are very heavy and difficult to transport.

C. Upcoming events include:

1. Plymouth is hosting another Winter Parking Lot and Sidewalk Maintenance workshop for Level I certification on March 27. [CANCELLED]
2. WMWA will table at the Discover Plymouth event on April 18 from 9 am – 2pm. [CANCELLED]
3. The Victory Neighborhood (Minneapolis) is hosting a Lawns to Legumes workshop on March 21. [CANCELLED]
4. Brooklyn Center will host a Shingle Creek Cleanup event on April 25. <https://www.cityofbrooklyncenter.org/index.aspx?NID=666>

D. Website/Social Media. Catherine Cesnik, the WMWA Coordinator, is refreshing the WMWA website and updating content. Any input is appreciated. westmetrowateralliance.org/. Cesnik has also taken over social media posting duties.

E. Other. Cesnik will be reaching out to member cities over the next few months, starting with the TAC representatives, to better understand how WMWA can be a resource and to help fill education and outreach gaps. 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.

IX. Grant Opportunities and Updates.

New Hope Cost-Share Reimbursement Request. This item was withdrawn from the agenda and will be considered at the April meeting.

X. Communications.

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

B. There is a link to Marta Roser's **carp removal presentation** on CCX News. <https://ccxmedia.org/news/robbinsdale-kicks-off-carp-removal-project/>

XI. Other Business.

XII. Adjournment. There being no further business before the Commissions, the joint meeting was adjourned at 2:32 p.m.

Respectfully submitted,


Judie A. Anderson, Recording Secretary
JAA:tim