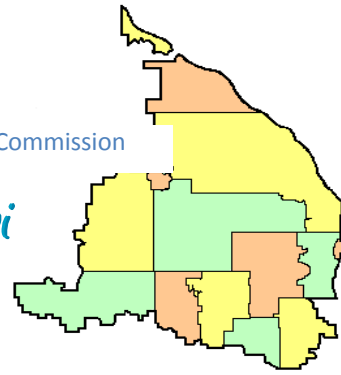




Watershed Management Commission



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## MINUTES Regular Meeting October 11, 2018

(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, October 11, 2018, at the Clubhouse at Edinborough, USA, 8700 Edinbrook Crossing, Brooklyn Park, MN.

Present for Shingle Creek were: David Vlasin, Brooklyn Center; John Roach, Brooklyn Park; Burton Orred, Jr., Crystal; Gary Anderson, Minneapolis; Bill Wills, New Hope; Harold E. Johnson, Osseo; Andy Polzin, Plymouth; Ed Matthiesen, Wenck Associates, Inc.; Troy Gilchrist, Kennedy & Graven; and Judie Anderson, JASS.

Not represented: Maple Grove and Robbinsdale.

Present for West Mississippi were: David Vlasin, Brooklyn Center; Steve Chesney, Brooklyn Park; Gerry Butcher, Champlin; Harold E. Johnson, Osseo; Ed Matthiesen, Wenck Associates, Inc.; Troy Gilchrist, Kennedy & Graven; and Judie Anderson, JASS.

Not represented: Maple Grove.

Also present were: Andrew Hogg, Brooklyn Center; Mitch Robinson and Alex Prasch, Brooklyn Park; Todd Tuominen, Champlin; Mark Ray, Crystal; Derek Asche, Maple Grove; Liz Stout, Minneapolis; Robert Grant and Meghan Albert, New Hope; Ben Scharenbroich, Plymouth; and Richard McCoy and Marta Roser, Robbinsdale.

### II. Agendas and Minutes.

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

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

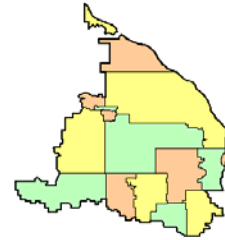
Motion by Wills, second by G. Anderson to approve the **minutes of the September regular meeting**. \* Motion carried unanimously.

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

### III. Finances and Reports.

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

Motion by G. Anderson, second by Johnson to approve the **Shingle Creek October claims**. \* Claims totaling \$35,888.06 were approved by roll call vote: ayes – Vlasin, Roach, Orred, G. Anderson, Wills, Johnson, and Polzin; nays – none; absent – Maple Grove and Robbinsdale.



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

Motion by Johnson, second by Butcher to approve the **West Mississippi October claims.\*** Claims totaling \$8,685.87 were approved by roll call vote: ayes – Vlasin, Chesney, Butcher, and Johnson; nays – none; absent – Maple Grove.

**IV. Open Forum.**

**V. Project Review.**

**SC2018-011 Arbor Lakes Industrial, Maple Grove.\*** Construction of a 204,000 SF industrial building and associated parking on a 13.5-acre site located at 8550 Zachary Lane North. The site is currently grassy with areas of gravel and stockpiles. Following development, the site will have 471,502 SF of impervious surface, making the site 80.5% impervious. A complete project review application was received on September 28, 2018.

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 - 80-85% TSS removal and 50-60% 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 most of the site (all except a drainage area with only roof runoff) is routed first to a proposed filtration basin in the southwest corner of the site, and then via city storm sewer to a regional basin approximately 0.35 miles east of the site. The filtration basin treats runoff from a 1.78-inch storm event, and runoff to the filtration basin is pretreated with two sumps (3 and 5 feet depths, respectively) with SAFL Baffles. 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 City of Maple Grove has planned for this site to eventually drain to a regional basin called SC-A57, located just south of the site on the other side of 85th Avenue, which will provide necessary rate control. However, this pond has not yet been constructed and, in the interim, runoff from the site will be routed to a regional basin called SC-P58, which is located 0.35 miles to the east. With the additional runoff from the project site, this regional basin's runoff only increases by 2-3 cfs during the 2-, 10-, and 100-year storm events. The applicant meets the Commission's rate control requirements.

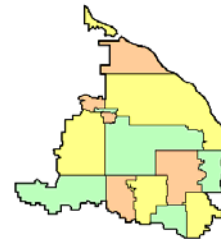
Commission rules require the site to infiltrate 1.0 inch of runoff from new impervious area within 48 hours. The new impervious area on this site is 471,502 SF, requiring infiltration of 39,292 CF within 48 hours (the volume from a 1.0-inch precipitation event). However, the project is within a City of Maple Grove Wellhead Protection Area, so the applicant proposes to filtrate this volume instead. The proposed filtration basin has the capacity to filtrate the required volume within 48 hours, meeting Commission volume control requirements.

The National Wetlands Inventory does not identify any wetlands on site and there are no Public Waters or floodplain on this site. The low floor elevation of the building is at least two feet higher than the high-water elevation of the filtration basin according to Atlas 14 precipitation. This project meets Commission requirements for wetland, public waters and floodplain.

An erosion control plan was submitted with the project review, and includes a rock construction entrance, inlet protection, perimeter silt fence, and native seed specified on the pond slopes. The erosion control plan meets Commission requirements.

A public hearing on the rezoning of the site from Single-Family Agricultural to Industrial was conducted on September 25, 2017. A public hearing on the project is scheduled for October 29, 2018 at the City Planning Commission meeting. The applicant meets Commission public notice requirements.

A maintenance agreement with the City of Maple Grove is in the process of being drafted.



Motion by Orred, second by Willis to notify the City of Maple Grove that project SC2018-011 is approved conditioned upon receipt of a copy of the draft maintenance agreement with the City. *Motion carried unanimously.*

#### VI. Watershed Management Plan.

**A.** The **City of Brooklyn Center\*** has submitted its Local Surface Water Management Plan for Commission review and approval. Brooklyn Center has lands in both watersheds so both Commissions are required to review and consider the Plan for approval. The Plan was submitted August 17, 2018, and the 60-day review period extends through October 16, 2018. Metropolitan Council, which has 45 days to review and comment on the plan, has provided comments\* to the Commissions.

In general, the Plan meets the Commission and statutory requirements for local water management plans with one exception – a figure depicting installed water quality BMPs. The Plan does a good job of presenting problems and issues and associated corrective actions, as well as past and future TMDL implementation actions.

Staff recommend that Brooklyn Center’s local plan be approved pending the revisions noted in the table attached to their memo.

Motion by Wills, second by Vlasin to approve the Brooklyn Center SWMP with the condition stated above. *Motion carried unanimously.*

Motion by Chesney, second by Butcher to approve the Brooklyn Center SWMP with the condition stated above. *Motion carried unanimously.*

**B.** The **City of Plymouth \*** has also submitted its Local Surface Water Management Plan for Commission review and approval. The Plan was submitted September 10, 2018, and the 60-day review period extends through November 9, 2018. Comments from the Metropolitan Council, which has 45 days to review and comment on the plan, have not been received as of this date.

In general, the Plan meets most of the Commission and statutory requirements for local water management plans with a few exceptions, as shown on the table\* attached to Staff’s memo. The most notable deficiency is a description of the roles of the Commission and the City at ensuring that development and redevelopment meet Commission rules and standards. The Plan does a good job presenting problems and issues and associated corrective actions, as well as past and future TMDL implementation actions.

Staff recommend that Plymouth’s local plan be approved pending the revisions noted in the table.

Motion by Johnson, second by G. Anderson to approve the Plymouth SWMP pending Staff’s revisions. *Motion carried unanimously.*

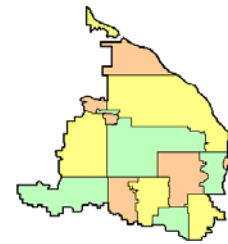
#### VII. Water Quality.

**A.** Roser provided an update on the **Crystal Lake Carp Survey**.

**B.** Matthiesen provided a pictorial update on the **Green Roof project**. This 2010 project explored combinations of light weight soil with a high degree of water retention and an optimum plant mix so a municipal public works department or warehouse maintenance crew could build and install a green roof with easily obtained materials on all or a portion of their existing building without additional structural reinforcement or permanent irrigation. Three sites were selected – in the Three Rivers Park District, City of Robbinsdale and Wenck offices in Maple Plain. Visiting the sites prior to this meeting, Matthiesen found all three sites to be successful in maintaining the sedum plants.

#### VIII. Education - West Metro Water Alliance (WMWA).\*

**A.** **WaterLinks**. Subscribe to *WaterLinks* at [westmetrowateralliance.org/contact.html](http://westmetrowateralliance.org/contact.html). The October issue features autumn and winter-related content.



**B. Education and Outreach Events.** Educators are currently scheduling and making fall classroom visits. They currently have 39 sessions scheduled. A session may be one class or several classes at a school. Educators are also available to table at city and school events, contact Amy Juntunen at [amy@jass.biz](mailto:amy@jass.biz). Upcoming outreach events include a Turf Alternative workshop in Golden Valley on October 16 (sold out) and Weaver Lake Science Night on November 8.

**C.** The group is updating and refreshing the popular *Ten Things You Can Do* brochure first developed in 2009. The cities in the four watersheds use this brochure extensively and it is part of the fourth-grade curriculum of Watershed PREP. In general, the text is being refreshed and condensed and additional emphasis is being placed on water conservation, proper deicer use, and turf lawn alternatives. The back panel is being revised with the tag line Your Street, Your Shoreline, stressing that raindrops carry pollutants and trash to the nearest waterbody and emphasizing the importance of individual actions.

**D. Website/Social Media.\*** Included with Staff's update are the website Google Analytics for September 2018 and June-September 2018 along with the Facebook insights for the last 28 days for both Shingle Creek and WMWA. The most viewed post was a figure from the USGS Queen Avenue monitoring station showing the abrupt rise in streamflow from the September 20, 2018 rain event. Shingle Creek FB Metrics for the last 28 days: 125 total Likes (7 new), 1,071 Reaches, 224 Engagements.

**E.** The **next WMWA meeting** is scheduled for 8:30 a.m., Tuesday, November 13, 2018, at Plymouth City Hall.

#### **IX. Grant Opportunities and Updates.**

**A. FEMA Flood Modeling.** The DNR returned the fully executed grant agreement for the flood mapping project on September 18, 2018.

**B.** Included in the meeting packet is a guide to the **Hennepin County Natural Resources Grants.\* Good Steward Grants** are awarded in the fall; the maximum available is \$25,000 per project and a 25% match is required. Applications for the Good Steward grants are being accepted until November 9, 2018. **Opportunity Grants** are available at any time on a first-come, first-served basis. No match is required, and funding is available up to \$100,000 per project. [The City of Crystal recently submitted an application for Opportunity Grant funds for the Becker Park project.](#)

[The Minneapolis Park Board is considering an application for a Hennepin County grant for a dog park using bio-char filtration, hopefully located in the Shingle Creek watershed.](#)

#### **C. BWSR Watershed-Based Funding. Watershed-based Pilot Funding.**

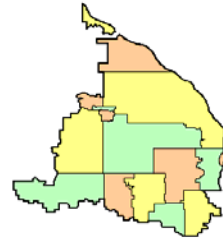
**1.** Staff submitted the Shingle Creek/West Mississippi Work Plan\* to BWSR on September 12, 2018. The awarded amount is \$103,571, with a total match of \$10,357.10, and will be used to cost-share member cities installing voluntary stormwater BMPS.

**2.** Minutes of the September 13, 2018 **Focus Group meeting** were included in the meeting packet.

**3.** [At the Hennepin County Chloride Steering Committee meeting held earlier today members discussed tasks to be included in an RFP for services to facilitate focus groups of stakeholders to better understand training, information, and other needs and barriers.](#)

**D. Biochar- and Iron-enhanced Filter Project.** Dr. Beth Fisher will present her findings at the November meeting. Dr. Fisher's work will provide geotechnical information about the formation of iron-phosphorus compounds in the filter, biological oxygen demand (BOD), and flow volumes.

**E. Twin Lake Carp Management Project.** [The carp barriers are being constructed and should be in place before December 1.](#)



**X. Communications.**

- A. September Communications Log.\*** No items required action.
- B.** Discussion will continue regarding the Commissions' **meeting site** when new information becomes available.
- C. Watershed Metrics Data Request\*** contains a listing of Commissions' activities in response to a request from Hennepin County.

**XI. Adjournment.** There being no further business before the Commissions, the meetings were adjourned at 1:40 p.m.

Respectfully submitted,

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

Judie A. Anderson  
Recording Secretary  
JAA:tim

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