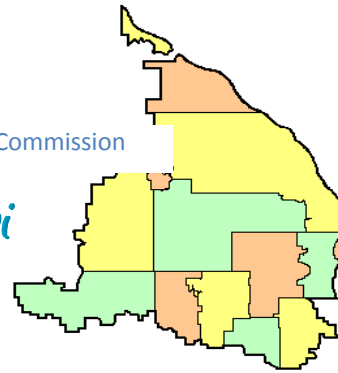


Watershed Management Commission



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## MINUTES Regular Meeting November 8, 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 Vice Chairman John Roach at 12:45 p.m. on Thursday, November 8, 2018, at the Clubhouse at Edinburgh, USA, 8700 Edinbrook Crossing, Brooklyn Park, MN.

Present for Shingle Creek were: David Vlasin, Brooklyn Center; John Roach, Brooklyn Park; Burton Orred, Jr., Crystal; Karen Jaeger, Maple Grove; Gary Anderson, Minneapolis; Robert Grant, New Hope; Harold E. Johnson, Osseo; Leah Gifford, Plymouth; Wayne Sicora, Robbinsdale; Ed Matthiesen, Wenck Associates, Inc.; Troy Gilchrist, Kennedy & Graven; and Judie Anderson, JASS.

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, Wenck Associates, Inc.; Troy Gilchrist, Kennedy & Graven; and Judie Anderson, JASS.

Also present were: Andrew Hogg, Brooklyn Center; Mitch Robinson and John Kinara, Brooklyn Park; Todd Tuominen, Champlin; Derek Asche, Maple Grove; Liz Stout, Minneapolis; Megan Albert, New Hope; Ben Scharenbroich, Plymouth; Richard McCoy, Robbinsdale; Kim Carpenter and Rich Harrison, Metro Blooms, for item IV; Dr. Beth Fisher and Dr. Josh Feinberg, U of MN Dept. of Earth Sciences, for item XII; and Justine Dauphinais, Coon Creek Watershed District.

### II. Agendas and Minutes.

Motion by G. Anderson, second by Jaeger to approve the **Shingle Creek revised agenda**. \* Motion carried unanimously.

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

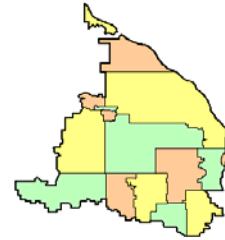
Motion by Johnson, second by Grant to approve the **minutes of the October regular meeting**. \* Motion carried unanimously.

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

### III. Finances and Reports.

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

Motion by Jaeger, second by Orred to approve the **Shingle Creek November claims**. \* Claims totaling \$47,331.96 were approved by roll call vote: ayes – Vlasin, Roach, Orred, Jaeger, G. Anderson, Grant, Johnson, Gifford, and Sicora; nays – none.



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

Motion by Johnson, second by Jaeger to approve the **West Mississippi November claims.\*** Claims totaling \$14,305.35 were *approved by roll call vote: ayes – Vlasin, Prasch, Butcher, Jaeger, and Johnson; nays – none.*

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

Early in 2018 the Commission received and approved a Partnership Cost-Share Program Application for the **Autumn Ridge Apartments\*** in Brooklyn Park to fund the first phase of a 5-year stormwater retrofit plan for the site. Representatives from Metro Blooms, a partner in this project, presented an update on the just-completed first phase of the project which included the installation of a new playground area, five raingardens, 2,358 pollinator plants, eight trees, and a 1,000 SF pollinator garden. The first phase also includes the training of maintenance staff for installation and maintenance of stormwater practices. Following installation, training will focus on proper maintenance of each practice, including sweeping and vacuuming permeable pavement, weed identification and management, watering, inlet/outlet clearing, plant/mulch replacement and repairing signs of erosion. In addition, the property owner will require their maintenance and property manager to attend a course on proper winter salt application.

Other application partners include the residents of Autumn Ridge, Sherman Associates (property owners), and the City of Brooklyn Park. The project budget is \$135,358 with \$50,000 coming from the Shingle Creek Cost Share Program, \$55,000 from Hennepin County, and \$30,358 from Sherman Associates. The application is for the first phase only and payment is on a cost-reimbursable basis.

Metro Blooms' presentation was a pictorial summary of the activities undertaken, from the kickoff meeting to promotion, design collaboration, and actual construction of site improvements including volunteer planting of raingardens and the pollinator garden. Participants have noted a difference in the relationship between association management and the property owner and between the residents and management. "The residents' view of the property has changed and there is somehow more 'care' to the outdoors spaces [than] was there before."

The presentation concluded with a brief summary of the 2019 Phase II concept plan which will focus on improvements to the two entrances to the property.

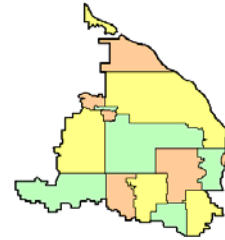
#### **V. Project Review.**

**SC2018-01008 Brooklyn Park-Champlin Interceptor, Champlin.\*** Rehabilitation of an existing sanitary sewer interceptor including sewer lining and spot improvements. The repair will require temporary wastewater flow above ground. The project area is approximately 22 acres. This is an approximately 3,600-foot linear project along Xylon Avenue from approximately the northernmost point of Emery Village Drive to the southernmost point of South Pond Trail. A complete Project Review application was received on October 4, 2018. Following completion there will be no increase in impervious surface.

Typically, 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. Since there is no increase of impervious surface at this site, 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. Because there is no increase of impervious surface at this site, the applicant meets the Commission's rate control requirements. Commission rules also require the site to infiltrate 1.0" of runoff from new impervious area within 48 hours but, again, because there is no new impervious area, the applicant meets Commission volume control requirements.

The NWI does not identify any wetlands on site. There are no Public Waters or floodplain on this site.



An erosion control plan was submitted with the project review, and includes silt fence, inlet protection and soil stockpile protection. The only major excavation and soil stockpile will be on the northern end of the site near Emery Park. Otherwise excavations will be limited to 10x10 asphalt cuts. The temporary conveyance system for above-ground wastewater conveyance will include redundant equipment (pumps, drive-units, power sources) and constant monitoring by Met Council authorized representatives. The specifications also require the contractor to provide an extensive spill plan. The erosion control plan meets Commission requirements.

A public hearing on the project was conducted on January 5, 2017 and there will also be an open house for the project in early 2019. The applicant meets Commission public notice requirements.

Motion by Butcher, second by Jaeger to advise the City of Champlin that project WM2018-008 is approved with no conditions. *Motion carried unanimously.*

#### VI. Watershed Management Plan.

The City of Minneapolis\* had previously submitted its Water Resource Management Plan for Commission review and approval. At its July 12, 2018 meeting the Commission tabled consideration of the Local Plan and specified a number of revisions that must be completed to meet Commission requirements. The Metropolitan Council also provided a number of comments to the Commission regarding revisions to strengthen the plan.

The City has made a number of revisions to the WRMP and has resubmitted it for review and consideration. Table 1\* attached to Staff's memo sets forth their comments on the first draft of the WRMP and how the City has addressed those comments in the revised draft. Staff recommends approval of the Plan as revised. Motion by G. Anderson, second by Gifford to approve Staff's recommendation. *Motion carried unanimously.*

#### VII. Water Quality.

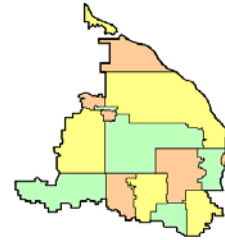
A. In October 2015 the Commissions authorized entering into a contract with Hennepin County to obtain **access to detailed aerial imagery and pictometry resources**.\* The County makes these available to local governments and their staffs at no cost. Third parties performing services to the local government, such as Wenck acting as Watershed Engineer or consulting engineer may, with authorization, also obtain access, but only for the performance of those services. These high-quality images are valuable in supplementing or even replacing some types of field work or site visits. Included in the meeting packet are a letter and information\* about the resources as well as the Agreements\* provided by Hennepin County. Staff recommends that each Commission authorize execution of the Agreements.

Motion by Jaeger, second by Johnson to approve the pictometry agreement with Hennepin County. *Motion carried unanimously.*

Motion by Johnson, second by Jaeger to approve the pictometry agreement with Hennepin County. *Motion carried unanimously.*

B. The Technical Advisory Committee (TAC) met on October 25, 2018 to discuss **potential capital and cost share projects**. The Commissions typically solicit the cities for applications for cost-share projects and revisions to the CIP in November-December of each year. The purpose of this discussion was to ensure that the Commissions' CIP is set up with projects to maximize the Commissions' ability to qualify for grants, and to ensure that the BWSR watershed-based funding grant funds are fully expended in the next two years. The following are potential CIP projects cities are considering submitting to the Commissions for the next few years. There is also one significant proposal by Plymouth for the Commissions to consider.

**Brooklyn Center** is considering a pond dredging project that may also include an expansion of treatment capacity. The City is also considering submitting a request for cost share in brining equipment to bring that in-house. They currently go to Brooklyn Park to get their brine, which is time-inefficient.



**Brooklyn Park** is considering adding a stormwater pond in River Park to enhance water quality treatment of runoff to the Mississippi River.

**Champlin** has been developing ideas for BMPs along the TH 169 corridor as a follow-up to the current MnDOT project. They expect to have these summarized in a list by the end of November.

**Minneapolis** is still evaluating options for Flood Area 5, which is tributary to Crystal Lake. All of Minneapolis in Shingle Creek is also currently being evaluated in a subwatershed assessment, which may result in future cost-share projects.

**New Hope** is considering submitting a pond project on the north side of City Hall.

**Osseo** is working on a possible flood reduction project in the vicinity of Bottineau Boulevard and 85th, in the channel along the railroad

**Plymouth** would like the Commissions to consider cost-sharing in street sweepers, either in the purchase of or in the cost to upgrade from broom to regenerative air, which are much more effective in reducing fine particles. The Commissions have not previously shared in the cost of maintenance equipment. Recent research has shown that frequent street sweeping can be an effective BMP. In 2007 the Commission served as a grant pass-through fiscal agent to help fund acquisition of pre-wetting equipment and brine systems for Hennepin County, Brooklyn Park, Plymouth, and Maple Grove. The Commission did not contribute any funds for that equipment.

**Robbinsdale** has concerns about flooding on Ryan Lake. They don't know if the issue is the outlet capacity, periodic outlet obstructions, inflow from Lower Twin Lake, etc. They would like to consider a hydraulic study from the outlet of Lower Twin Lake through Ryan Creek/Ryan Lake to the outfall into Shingle Creek. This may also include a potential stream restoration of Ryan Creek from France Avenue to Ryan Lake. The City is also evaluating options for an alternate emergency outlet from Crystal Lake. Crystal Lake has no natural outlet and it currently is pumped into Minneapolis storm sewer when the lake level is too high. Minneapolis does not have adequate capacity. There is also the potential for a Lake Management Plan and alum treatment on Crystal Lake.

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

- A. **WaterLinks.** Subscribe to *WaterLinks* at [westmetrowateralliance.org/contact.html](http://westmetrowateralliance.org/contact.html).
- B. The **next WMWA meeting** is scheduled for 8:30 a.m., Tuesday, November 13, 2018, at Plymouth City Hall.

#### IX. Grant Opportunities and Updates.

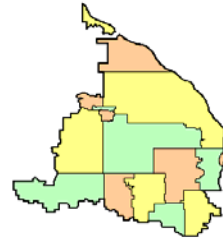
The Watershed-Based Funding Pilot Program\* work plan has been approved and the Commission has received a grant agreement\* from the Board of Water and Soil Resources (BWSR). The agreement is between BWSR and Shingle Creek, with Shingle Creek acting as the fiscal agent for West Mississippi. The \$68,129 awarded to Shingle Creek and the \$35,442 awarded to West Mississippi will be managed through the Cost Share Program which funds small City projects not on the CIP. The cost is split 50/50 with the City, up to a maximum of \$50,000 per project. Staff recommends that the Shingle Creek Commission authorize execution of the agreement.

*Motion by Jaeger, second by G. Anderson to execute the Watershed-Based Funding Grant Agreement. Motion carried unanimously.*

Also included in the meeting packet is a summary\* of the focus group meetings.

#### X. Communications.

- A. **October Communications Log.\*** No items required action.
- B. An article\* in the November 7 edition of the Minneapolis *StarTribune* describes the **levy projects approved by the Hennepin County Board** for four metro watershed organizations, including \$479,900 for Shingle Creek and \$53,025 for West Mississippi.



C. Discussion will continue regarding the Commissions' **meeting site** when new information becomes available. [Following the meeting J. Anderson received an email from Lancer's informing the Commissions that D'Amico Catering has been awarded the contract for Edinburgh commencing on January 1, 2019. A contact name at D'Amico was also provided and Anderson will contact her.]

XI. **Adjournment.** There being no further business before the Commissions, the meetings were adjourned at 1:46 p.m.

XII. Following the meeting, Drs. Fisher and Feinberg presented some preliminary findings of the additional specialty monitoring being completed as part of the **Biochar- and Iron-Enhanced Sand Filter project**. They are delving deeply into the science of understanding the factors that may influence how the filters work, especially related to the iron added to the sand filters. Dr. Fisher designed and built the specialty instrumentation that is tracking redox, pH, dissolved oxygen, and saturation of the filters. They are working to understand which iron oxyhydroxides are present in the filters and how that may influence their ability to capture phosphorus as well as affect the longevity of the filter.

Respectfully submitted,

Judie A. Anderson  
Recording Secretary  
JAA:tim

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