

**MINUTES**  
October 25, 2018

A 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 8:33 a.m., Thursday, October 25, 2018, at Crystal City Hall, 4141 Douglas Drive North, Crystal, MN.

Present were: Andrew Hogg, Brooklyn Center; Mitch Robinson, Brooklyn Park; Todd Tuominen, Champlin; Mark Ray, Crystal; Liz Stout, Minneapolis; Ben Scharenbroich, Plymouth; Richard McCoy, Robbinsdale; Ed Matthiesen and Diane Spector, Wenck Associates, Inc.; and Judie Anderson, JASS.

Not represented: Maple Grove, New Hope, and Osseo.

- I. Motion by Scharenbroich, second by Hogg to **approve the agenda**. *Motion carried unanimously.*
- II. Motion by Ray, second by Scharenbroich to **approve the minutes** of the May 24, 2018 meeting.\* *Motion carried unanimously.*
- III. **Potential CIP Projects.**

The purpose of this discussion is to ensure that the Commissions' CIP is set up with projects to maximize their 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.

**A. Brooklyn Center** is considering a pond dredging project that may also include an expansion of treatment capacity. Brooklyn Center 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.

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

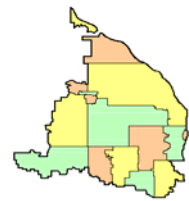
**C. Champlin** has been developing ideas for BMPs along the TH 169 corridor as a follow-up to the current MnDOT project. They expect to have these summarized in a list by the end of November.

**D. 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.

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

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

**G. 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. The Shingle Creek Commission several years ago 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 to that equipment.

**H. Robbinsdale** has a concern about flooding on Ryan Lake. They don't know whether 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.

**IV. Cost Share Projects.\***

**A. Available City Cost-Share Funds**

Commission	Est Comm Funds 12/31/18	BWSR Funds	Total
Shingle Creek	\$172,000*	\$68,000**	\$240,000
West Mississippi	\$200,000*	\$35,000**	\$235,000

\*Requires 50% match

\*\*Requires minimum 25% match

**B. Cost-Share Process.** Open applications until funds are encumbered

**C. CIP Process.**

1. Commissions can move projects year to year, revise cost freely
2. Projects can be modified or added using a Minor Plan Amendment
3. MPA Process:
  - a. TAC reviews projects and makes recommendation to Commissions
  - b. Proposals reviewed with BWSR and county for concurrence
  - c. Commission calls for a public meeting (30-day notice)
  - d. Discussed at public meeting, Commissions take action to adopt subject

to county approval

- e. County staff either approve administratively or sent to the county board

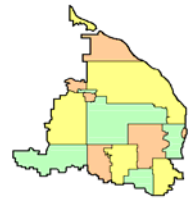
for final approval

**D. Outstanding 3rd Generation Plan Goals**

**Goal B. 1.** As lake water quality improves and lakes are removed from the State's Impaired Waters list, implement management strategies to protect lake water quality. It is anticipated that Schmidt, Lower Twin, and Ryan Lakes will be removed in 2014. *Completed!*

**Goal B. 2.** Implement phosphorus and sediment load reduction actions sufficient to achieve de-listing from the Impaired Waters list for Bass, Eagle, Crystal, and Middle Twin Lakes. *Bass scheduled for alum treatment in 2019*

**Goal B. 3.** Improve water clarity in the balance of the lakes by 10% over the average of the previous ten years. *No significant trend in most lakes, but have reduced TSS and TP in Shingle Creek.*



**Goal B. 4.** Improve at least 30% of the length of Shingle Creek to meet Corridor Study and TMDL design standards. *As of 2018, 3.09 miles, or 27% of the 11.15 miles have been restored. Almost there!*

**Goal A. 1.** Determine ecological low flows for Shingle and Bass Creeks.

**Goal C. 1.** Work with the appropriate state agencies to incorporate groundwater assessment into the sustainable water budget analysis for each watershed.

**Goal D. 1.** Informed by the sustainable water budget study, improve functions and values of wetlands.

**V. Current CIPs.**

The most current CIPs for both the Shingle Creek and West Mississippi WMOs are found on the last two pages of these minutes.

**VI. Other Business.**

**A.** The **next meeting** of the Technical Advisory Committee is scheduled for 11:00 a.m., Thursday, December 13, 2018, prior to the regular meeting.

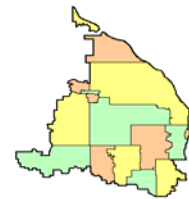
**B.** The meeting was adjourned at 9:43 a.m.

Respectfully submitted,

Handwritten signature of Judie A. Anderson.

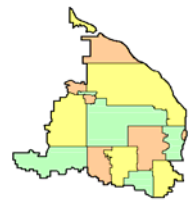
Judie A. Anderson  
Recording Secretary

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**Shingle Creek WMO Most Current CIP**

CAPITAL IMPROVEMENT PROGRAM	2018	2019	2020	2021	2022
Cost Share Program	200,000	200,000	200,000	200,000	200,000
Commission Contribution	100,000	100,000	100,000	100,000	100,000
Local Contribution	100,000	100,000	100,000	100,000	100,000
Partnership Cost-Share BMP Projects	100,000	100,000	100,000	100,000	100,000
Commission Contribution	50,000	50,000	50,000	50,000	50,000
Local Contribution	50,000	50,000	50,000	50,000	50,000
Lake Internal Load Improvement Project			200,000		200,000
Commission Contribution			200,000		200,000
Local Contribution			0		0
Bass and Pomerleau Lakes Alum Treatment Project	390,000				
-Commission Contribution	390,000				
-Local Contribution	0				
SRP Reduction Project	124,680				
-Commission Contribution	124,680				
-Local Contribution	0				
Shingle Creek or Bass Creek Restoration Project		500,000			
Commission Contribution		125,000			
Local Contribution		375,000			
Becker Park Infiltration Project	2,500,000				
Commission Contribution	250,000				
Local Contribution	2,250,000				
Maple Grove Pond P57		648,000			
Commission Contribution		162,000			
Local Contribution		486,000			
Maple Grove Pond P33		574,000			
Commission Contribution		143,500			
Local Contribution		430,500			
Shingle Creek Brookdale Park Habitat Enhancement		150,000			
Commission Contribution		37,500			
Local Contribution		112,500			
Minneapolis Webber Park Stream Restoration		500,000			
Commission Contribution		125,000			
Local Contribution		375,000			
Minneapolis Flood Area 5 Water Quality Projects		6,000,000			
Commission Contribution		250,000			
Local Contribution		5,750,000			
Maple Grove Pond P55			855,000		
Commission Contribution			213,800		
Local Contribution			641,200		



CAPITAL IMPROVEMENT PROGRAM	2018	2019	2020	2021	2022
Shingle Creek Restoration, Regent to Brooklyn Blvd			400,000		
Commission Contribution			100,000		
Local Contribution			300,000		
Palmer Creek Estates Bass Creek Restoration				450,000	
Commission Contribution				112,500	
Local Contribution				337,500	
<b>TOTAL PROJECT COST</b>	<b>3,314,680</b>	<b>8,672,000</b>	<b>1,755,000</b>	<b>750,000</b>	<b>500,000</b>
<b>TOTAL COMMISSION SHARE</b>	<b>914,680</b>	<b>993,000</b>	<b>63,800</b>	<b>262,500</b>	<b>350,000</b>
<b>TOTAL CITY SHARE</b>	<b>2,400,000</b>	<b>7,679,000</b>	<b>1,091,200</b>	<b>487,500</b>	<b>150,000</b>

**West Mississippi WMO Most Current CIP**

CAPITAL IMPROVEMENT PROGRAM	2018	2019	2020	2021	2022
Cost Share Program	100,000	100,000	100,000	100,000	100,000
Commission Contribution	50,000	50,000	50,000	50,000	50,000
Local Contribution	50,000	50,000	50,000	50,000	50,000
Mississippi Crossings Phase B Infiltration Vault		200,000			
Commission Contribution		50,000			
Local Contribution		150,000			
Champlin Woods Trail Rain Gardens		180,000			
Commission Contribution		45,000			
Local Contribution		135,000			
Wetland Restoration Project		250,000			
Commission Contribution		62,500			
Local Contribution		187,500			
<b>TOTAL PROJECT COST</b>	<b>100,000</b>	<b>730,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>
<b>TOTAL COMMISSION SHARE</b>	<b>50,000</b>	<b>207,500</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>
<b>TOTAL CITY SHARE</b>	<b>50,000</b>	<b>522,500</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>