

## **MINUTES**

### January 9, 2020

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 11:10 a.m., Thursday, January 9, 2020, at Edinburgh USA, 8700 Edinbrook Crossing, Brooklyn Park, MN.

Present were: Andrew Hogg, Brooklyn Center; Mitch Robinson, Brooklyn Park; Mark Ray, Crystal; Derek Asche, Maple Grove; Shahram Missaghi, Minneapolis; Megan Hedstrom, New Hope; Ben Scharenbroich and Amy Riegel, Plymouth; Richard McCoy and Marta Roser, Robbinsdale; Ed Matthiesen, Wenck Associates, Inc.; and Judie Anderson, JASS. Not represented: Champlin and Osseo.

Also present: Steve Chesney, Brooklyn Park; Burt Orred, Jr., Crystal; Harold E. Johnson, Osseo; and Kris Guentzel, Hennepin County Environment and Energy.

I. Motion by Ray, second by Scharenbroich to **approve the agenda.\*** *Motion carried unanimously.*

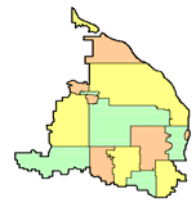
II. Motion by Ray, second by Scharenbroich to **approve the minutes\*** of the November 14, 2019 meeting. *Motion carried unanimously.*

### **III. Cost Share Application – Brooks Landing.**

A. The City of Brooklyn Park has submitted a Partnership Cost Share Program application\* on behalf of Boisclair Corporation and Metro Blooms for improvements at Brooks Landing Senior Apartments. The various site improvements include replacing the parking lot, adding two raingardens to treat runoff from the parking lot and sidewalk, and adding some amenities such as benches and landscaping. The cost share would be applied to the rain garden portion of the project. Similar to the Autumn Ridge project, Metro Blooms will provide outreach and stewardship opportunities for residents of the development. Included in the meeting packet are the application, existing and proposed conditions, and project budget.

B. Staff internally discussed the cost-effectiveness of this proposal. The request is for \$50,000 from the program. The estimated load reduction is 1.75 pounds of TP annually, or about \$28,000 per pound of TP removed. The proposed project is in the Directly Connected Impervious Area and is a priority for treatment retrofits. Staff's maximum comfort level is about \$10,000/pound unless there are other significant benefits. For comparison, Autumn Ridge Phase 1 removed about 6 pounds/year, and Phase 2 about 2.5 pounds/year. Staff is requesting TAC discussion regarding this subject to provide guidance and clarity for this and other potential applications.

Following discussion, motion by Ray, second by Riegel to recommend to the Commission that this project be funded at \$20,000. *Motion carried unanimously.*



#### **IV. Bass Creek Stream Restoration Feasibility Study.\***

The Shingle Creek CIP includes a generic “Shingle or Bass Creek Stream Restoration” that is a placeholder for potential projects. Staff have been in conversation with the City of Brooklyn Park about the potential to restore Bass Creek from Cherokee Drive to approximately the driveway into the Home Depot development. This reach flows through Bass Creek Park and is the site of the Commission’s BCP monitoring station. There is a trail along the west side of the stream.

Parts of the reach have relatively steep, wooded stream banks, other parts are fairly flat and open. The streambed is a stable sandy gravel, but the banks are incised and some tree removals and thinning are necessary. This reach is also the proposed location for the second filter for the SRP Reduction Project, as it is just downstream of the large flow-through Cherokee Wetland. Given what has already been learned as part of that project, Staff believe they can engineer an effective SRP reduction filter into the stream itself.

Similar to what was just done for the Connections II Stream Restoration Project, Staff propose to work with the City to perform field surveys and 30% design, then submit a grant application for the proposed project to the Clean Water Fund later this summer. They recommend that \$10,000 from the Closed Projects Account be allocated to fund this work. The \$10,000 would be “paid back” by including the cost of this Feasibility Study in the project cost that would be certified this fall.

Motion by Ray, second by Riegel to recommend to the Commission approval of Staff’s proposal as cited above. *Motion carried unanimously.*

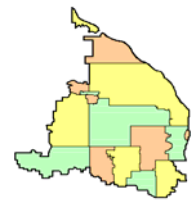
#### **V. NPDES Draft General Permit and Rules Comparison.**

The draft NPDES General Permit\* is on public review through January 11, 2020. Included in the meeting packet is a table showing the major requirements for post-construction stormwater management compared to the Commissions’ current Rules and Standards. While the MPCA may review the draft Permit based on comments received during the 60-Day Review Period, it is likely that many of the proposed requirements will be promulgated in the reissued General Permit later this year. This will require revisions to the Commission Rules as well as city ordinance revisions to meet those requirements.

**A. Project Thresholds.** The Commissions, since they first started undertaking project reviews in the mid-1980s, have used project size (usually defined as parcel or parcels under common development) as the threshold of applicability rather than disturbed area. When the NPDES general and construction permitting requirements were enacted, the Commissions retained the size threshold on the reasoning that it was easy to understand and implement. It also is an opportunity to encourage BMPs on small sites that disturb less than one acre. The proposed Permit does not require water quality treatment unless one acre or more of impervious area is created or fully reconstructed. Projects on small lots that do not meet the threshold would not be required to treat water quality volume.

**B. Water Quality.** The new requirements change the paradigm of water quality treatment, which previously was performance-focused and is moving toward an infiltration and volume management-focus. Applicants must first consider volume reduction practices for water quality and sediment basins or other non-infiltration BMPs may be considered only if infiltration is prohibited or not feasible. The Commissions’ rules are performance-based and allow for a wide range of potential BMPs.

**C. Water Quality Volume.** The proposed requirement would redefine the infiltration standard to compute the WQV off both the new impervious and the fully reconstructed impervious.



This may have a range of implications compared to the current Rules. For example, typically neighborhood street reconstruction projects don't reach the threshold of increasing impervious by more than one acre. However, several years ago Crystal reconstructed streets and added sidewalks in a neighborhood near a school, adding more than one acre of new impervious. The Commission rules required infiltration from the volume off the new impervious. The new Permit would require 0.5" infiltration off the entire reconstructed/new area.

After discussion regarding the impact on the Commissions' current Rules and Standards of a number of revisions in the new draft permit, Staff was directed to work up some language and respond to the MPCA by the January 11, 2020 deadline.

**VI. Chloride Working Group.**

Riegel provided a verbal update. She reported that the group did a survey of private applicators. The survey indicated that private applicators knew how to properly apply salt without over salting. The survey also indicated that the reason private applicators over apply salt is because their clients and their clients' customers expect over-salting to feel that the parking lot is "safe." This outcome shifted the direction that the working group wants to take on education in the future from targeting private applicators to targeting their clients.

**VII. Other Business.**

McCoy reported that the permit application to DNR for **supplemental pumping from Crystal Lake** to better control the water level in the lake has been given temporary approval. A longer term approval will be dependent upon the development of a permanent solution in conjunction with the Commission and adjacent cities making sure that there are no adverse impacts on other properties. The temporary permit is in effect until December 31, 2021.

**VIII. Next Meeting.**

The next Technical Advisory Committee meeting is tentatively scheduled for 11:00 a.m. Thursday, March 12, 2020, prior to the Commissions' regular meeting.

The meeting was adjourned at 12:09 p.m.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Judie A. Anderson". The signature is fluid and cursive.

Judie A. Anderson  
Recording Secretary

01-09-2020 TAC minutes