

**RICHFIELD-BLOOMINGTON WATERSHED MANAGEMENT ORGANIZATION (RBWMO)
2022 TECHNICAL ADVISORY COMMITTEE MEETING AGENDA
DECEMBER 12, 2022**

1:00p.m. | Hybrid Meeting – 1700 W. 98th St South Conference Room + WebEx

Technical Advisory Members: Bryan Gruidl (Bloomington); Steve Gurney (Bloomington); Jack Distel (Bloomington); Julie Long (Bloomington); Kristin Asher (Richfield) Chad Donnelly (Richfield); Joe Powers (Richfield); Mattias Oddsson (Richfield)

A. 1:00 PM: STAFF INTRODUCTIONS (ALL)

1:07 PM: Discussion of RBWMO organizational structure. BWSR review in 2014 suggested either increased public awareness or integration with existing watershed districts. Decision was made to retain RBWMO. Executive director & asst. executive director in 2 yr rotating terms, annual meeting exchanged annually. Bloomington City Council will confirm shortly attendance at annual meeting. Confirmed anticipated date on 3/14.

1:11 PM: Request for Bryan to remain as Executive Director for 2023; normal rotation will resume in 2024.

B. 1:13 PM: LOCAL PLAN ACTIVITIES AND RBWMO PLAN REVIEW (DUE IN EVEN YEARS) (ALL)

- Current Watershed management plan approved by the BWSR on December 20, 2017 and adopted by the RBWMO Board of Commissioners on March 5, 2018.

1:14 PM: Plan to be updated by 2027, will begin discussion in next few years.

- Implementation Program:

I. Monitoring Program

1:15 PM: Jack Distel handles all Bloomington WQ monitoring. Collects monthly surface water samples. Bloomington plans to invest in updated Sonde for monitoring. Conductivity, pH, DO of interest. All monitoring conducted in-lake. Bloomington will share with Richfield bid information for sondes. 4 public waters within RBWMO are of main importance for monitoring.

II. Water Quality, Data Management, and Evaluation

1:20 PM: Planning for RBWMO website to be updated with WQ data accessible to public. Bloomington does EnviroDIY autonomous monitoring – conductivity, temp, depth every 15 mins.

III. H&H Model Update

1:24 PM: Confirming that H&H updates were complete for Bloomington & Richfield. For next update, will include 'midcentury storm' – modeling more intense rain events in anticipation of climate change.

IV. Education and Outreach Plan

1:27 PM: Discussing collaboration with Wood Lake Nature Center. Potential incorporation of BMPs into Nature Center Renovations. Potential need to develop more detailed education & outreach plan. Bloomington presented draft of Education Program summary; will share with Richfield & develop final draft. Idea: signage for chloride reduction posted in winter. Challenges: cost of transportation for students. Use of Old Cedar Ave Bridge in Bloomington as focal point in addition to Wood Lake.

V. MNRAM Wetland Assessments

1:38 PM: MNRAM now obsolete – MN-WI Functional assessment being developed as replacement.

VI. Invasive Species Management Plan

1:40 PM: RFP out with WBIF to identify methods to manage invasive species. Goldfish in Wood Lake, Penn Lake are main problem. Riparian buffer crowding with Buckthorn or hybrid cattail are also noted concerns with invasive species management. AIS grants available are primarily geared

towards Eurasian Watermilfoil and Curlyleaf Pondweed. RBWMO will act on grants when available – either through BWSR or DNR. Funds could be brought to Wood Lake Nature Center for restoration. Plan would need to be amended in order to fund projects. Dredging projects would not be grant-funded, but new outlet structures, WQ improvements, vegetation improvements could be. Next round of WBIF will be in 2024-25. Amendments will be proposed before 3/14/23 meeting.

VII. Sheridan Pond Dredging Project

To be discussed with 2022 project review

VIII. Christian Pond Dredging Project

Project complete

IX. 77th Street Underpass Project

Project progressing as scheduled – stormwater management components complete, forecast completion in late summer 2023.

X. 66th Street Sewer Improvement Project

Project complete

C. 1:54 PM: 2022 PROJECT REVIEW

DEVELOPMENT REVIEW (PRIVATE - BLOOMINGTON)

Use: Our Design Review Committee reviewed several potential redevelopment projects, although there were no ground-disturbing projects undertaken in 2022.

Stormwater Elements: The proposed projects involve repurposing of existing buildings, so no permanent BMPs are anticipated. Erosion control will be required for ground-disturbing exterior work.

2021-101 BLOOMINGTON PMP RECONSTRUCT PROJECT, 3RD AVENUE, 11TH AVENUE, AND 22ND AVENUE AREAS (PUBLIC - BLOOMINGTON)

Use: Full reconstruction of residential street and storm sewer.

Size: (RBWMO only) 7.8 Acre total Site, 0.20 ac decrease in impervious surface, including pavement and curb and gutter.

Description: Project included 7,150 feet of fully-reconstructed bituminous pavement. Curb and gutter total length 12,710 feet with typical street width of 32-feet.

Stormwater Elements: A SWPPP was developed for the project. MPCA Construction Stormwater Permit was obtained. Erosion control included inlet protection, perimeter control, and sod. The new storm sewer construction included oversized perforated CMP at two sites identified as flood areas under our Atlas 14 study. Each pipe gallery included a sump MH for pre-treatment at one end and a second one with cedar stop logs for level control. The pre-treatment sumps include a SAFL Baffle.

LANDSBY APARTMENTS (PRIVATE - RICHFIELD)

Use: Redevelopment dividing existing commercial lot in two and constructing 6 story, 132 unit apartment building with underground parking.

Size: 5.30 ac original lot, 2.01 ac apartment lot, 1.46 ac (72.6%) impervious.

Stormwater Elements: A SWPPP was developed for this project, and MPCA Construction Stormwater Permit was obtained. 2 underground stormwater systems were installed. Site is located in an area of high groundwater vulnerability, but an infiltration system was allowed to receive runoff from the roof after engineering review, with a maintenance agreement requiring regular water quality testing.

SHERIDAN POND MAINTENANCE AND RESTORATION (PUBLIC - RICHFIELD)

Use: Dredging and regrading of constructed stormwater pond, followed by vegetation restoration throughout park.

Size: Project area 3.9 ac, disturbed area <1 ac

Description: Sheridan Pond is a constructed stormwater pond that drains to Richfield Lake.

Stormwater Elements: Construction Stormwater Permit not required, but erosion control measures are included in the plan and will be implemented, including silt fencing and floating curtains around the pond outlet. Accumulated sediment will be dredged to improve storage capacity and pollutant removal. A new outlet structure containing a baffle and sump will be installed at the pipe leading to Richfield Lake. Native vegetation will be planted as buffers around the pond in phase II of the project.

D. 2:08 PM: 2021 NPDES ANNUAL REPORT REVIEW (ALL)

- TMDL'S
 - I. South Metro Mississippi
 - II. TCMA Chloride
 - III. Penn Lake Nutrients

No TMDL within RBWMO – main concerns are regional TMDLs listed above. Project in development to address Penn Lake TMDL.

E. 2:12 PM: COMPLIANCE CONCERNS (AII)

- No WCA action
- Other compliance concerns: N/A in 2022

F. 2:13 PM: 2023 RBWMO ANNUAL MEETING (AII)

- Richfield hosting, will be in-person with hybrid option (if needed)
 - Preferred date: March 14, 2023

Bryan will confirm with Bloomington City Council and staff that 3/14 will work.

- Sun Current Public Notices – will be submitted by Richfield
- Agenda

- Annual Report

Bryan will begin work on annual report.

- Business items

Update new board members on RBWMO.

G. 2:19 PM: OTHER ITEMS

- 2022 Activity Update:
- FY2019 Watershed Based Implementation Funding - Pilot project (Bryan)
 - Hennepin County Chloride Initiative
 - Grant extended due to Covid impacts; expires 12/31/2022
 - Lower Minnesota River Collaborative
 - Grant extended due to Covid impacts. Grant expires 12/31/2022

Some funds will be returned to BWSR at grant expiration.

- FY2020-2021 Watershed Based Implementation Funding (Jack)
 - RBWMO Youth Education Program

RBWMO was approached by Lower MN Valley Refuge Friends about education program. Ongoing since summer 2021, total of 314 students reached so far. Grant funding (\$30,000) received to carry out program. \$15,000 spent so far, remaining funding will be received following report to BWSR. RBWMO funds education + field trip for program participants. Goal of 400 students, on target to reach with upcoming Bloomington Public Schools Program. Look into continuing program under separate grant once current funding expires. Inconsistency of programming has been a limiting factor. Predictability of education program will be key to getting more teachers onboard.

- FY2022-2023 Watershed Based Implementation Funding
 - Sheridan Pond Maintenance Project (Chad) - \$20,000 for improved outlet structure

- Conservation Education and Implementation Partnership (Bryan) - \$25,000 to Hennepin County for education program development. West metro developing coordinated stormwater education program. Meeting to be forwarded to Richfield city staff. In collaboration with Metro Blooms.
- Feasibility study - \$30,000 to help assist in management decisions and identification of priority project that will protect, enhance, and restore surface water quality.
 - Primary waters to be assessed in the study are: Richfield Lake, Wood Lake, Smith Pond, and Wrights Lake.
 - Is there a desire to include the Richfield portion of the Penn Lake TMDL?

Workplan being completed for cost requests as of week of 12/12/22 on E-Link. Will be ready for 3/14 board meeting. Richfield has ongoing study on Best Buy Campus related to Penn Lake TMDL.

- Website Maintenance and updates

Mattias will update website with projects, water quality data

- I-494: Airport to Highway 169

City staff working to prepare for upcoming project.

- 3:05 PM: 2023 Work Plan Items
 - Sheridan Pond Maintenance Project
 - Youth Education program partnership with Minnesota Valley Refuge Friends
 - I-494: Airport to Highway 169
 - Conservation Education and Implementation Partnership
 - RBWMO Feasibility Study
 - Other items

H. 3:20 PM: Meeting Adjourned