



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday April 17, 2019

Agenda Item

Item 6. G. - Local Water Management Plans

Prepared By

Linda Loomis, Administrator

Summary

i. City of Shakopee

Staff reviewed the Local Water Management Plan from the City of Shakopee and provided comments to the City. LMRWD comments are attached. A resolution to approve the plan with conditions will be on the May meeting agenda.

ii. City of Savage

The city of Savage released its Comprehensive Plan for public comment, however Chapter 10 - Surface Water, which is the City's Local Surface Water Management Plan, was not ready at the time the Comp Plan was released. The LMRWD will not begin its review until we receive Chapter 10.

Attachments

LMRWD comments on Shakopee Local Water Management Plan

Recommended Action

No recommended action

Technical Memorandum

To: Linda Loomis, Administrator

From: Della Schall Young, CPESC, PMP

Date: April 11, 2019

Re: City of Shakopee Local Surface Water Management Plan Review

The City of Shakopee (City) Local Surface Water Management Plan (SWMP) was reviewed on behalf of the Lower Minnesota River Watershed District (District) for consistency with the District’s approved watershed management plan (Plan). The review also identified opportunities for the District and the City to work together to protect, preserve, and manage water and natural resources within the District.

As they relate to protecting water and natural resources, the District’s standards presented in Appendix K of the Plan must be followed, or equivalent or more strict standards must be implemented. Current regulations and policies that govern surface water management within the City include its Design Criteria and various ordinances.

We recommend approval of the SWMP, contingent on satisfactory responses to the Metropolitan Council’s comments attached and the following District comments:

Comment No.	SWMP Page Number	SWMP Text	Comment
1	SECTION III Page 5	Memorandum of Understanding (MOU) between Lower Minnesota River Watershed District and the City of Shakopee to enforce the District policies through permitting.	The MOU between City and the District was not included in Appendix B. Nevertheless, an updated agreement between the District and the City is required before May 1, 2020.

Comment No.	SWMP Page Number	SWMP Text	Comment
2	SECTION IV Page 2	<p>Issue 4.1.7: Dean Lake Wetland has poor overall water quality based on recent monitoring information.</p> <p>Corrective Action: Dean Lake Wetland was recently reclassified from a lake to a wetland. The City will work with the District on studies related to the water quality and overall health of Dean Lake Wetland. It is anticipated that the District will be the lead, but the City should assist and provide support to the District.</p>	This presents a coordination opportunity for the District and the City.
3	SECTION IV Page 2	<p>Issue 4.1.8: The possibility of contamination exists when there are connections between groundwater and surface water. Corrective Action: The Shakopee Public Utilities Commission has developed a Wellhead Protection Plan (WHP) which identifies Drinking Water Supply Management Areas (DWSMAs) and their vulnerability. The City will continue to follow the requirements of the Wellhead Protection Plan to protect groundwater. Guidance from the Minnesota Pollution Control Agency and Minnesota Department of Health will be followed to determine the applicability of infiltration in the DWSMAs.</p>	How does following the requirements of the WHP and the DWSMAs help protect and preserve groundwater-dependent resources like trout streams?
4	SECTION IV Page 7	<p>Issue 4.3.2: A concern has been noted regarding the protection of groundwater levels within the Eagle Creek Watershed in order to protect the Boiling Springs and Fen areas. Eagle Creek is a high value resource identified by the District. Eagle Creek is primarily located in the City of Savage; however, part of the creek and watershed is in Shakopee.</p> <p>Corrective Action: The City will work with the District and City of Savage regarding groundwater studies contributing to the Eagle Creek Boiling Springs and Fen areas.</p>	This presents a coordination opportunity for the District, City, and City of Savage. The District has identified the Schroeder's Acres Park/Savage Fen Stormwater Management Project in its capital improvement program. The incorporation of the project into the SWMP should be considered

Comment No.	SWMP Page Number	SWMP Text	Comment
5	SECTION IV Page 10	<p>Issue 4.10.4: Elevated levels of chloride concentrations have been found in stormwater ponds, surface water bodies, and groundwater throughout the Twin Cities Metropolitan Area. At levels exceeding the water quality standards, chloride can be toxic to aquatic life and can make drinking water sources not economically.</p> <p>Corrective Action: One significant contributor to elevated chloride concentrations in surface water and groundwater is road salt application during the winter. The City will continue to implement chloride best management practices such as reducing salt use on roadways and implement prewetting and anti-icing strategies. The City will also continue to educate private business owners and residents about correct salt application, and improve policies designating salt usage.</p>	<p>The City is encouraged to coordinate salt applicators' training programs with the District. The District and several other public entities have received grant funds from Scott County as a part of the watershed-based fund, and they are working on a comprehensive chloride management plan that can be shared with the City once complete.</p>
6	SECTION IV Page 11	<p>Issue 4.11.3: There are several governing agencies that overlay the City of Shakopee that influence how water resources are managed in the City. These agencies include three watershed districts, the county, the state, and soil and conservation district. Input is often needed from the City at Technical Advisory Meetings that concern water resources.</p> <p>Corrective Action: City Staff will attend Technical Advisory Meetings when attendance of the City of Shakopee is appropriate.</p>	<p>Participation of City staff in the District's technical advisory meetings is an important coordination component. It allows for a combination of technical and financial resources to address water and natural challenges.</p>
7	SECTION V Page 1	<p>Stormwater infrastructure shall be designed using Atlas 14 rainfall data, or most current and best available information.</p>	<p>Commendable</p>
8	SECTION V Page 3	<p>Water Body: Dean Wetland. Water Quality Classification: Level III. Desired Water Quality Parameters: TP: 45-75 ug/L. Chl a: 20-40 ug/L. Secchi: 0.6-1.0 meters. Goals: Preserve existing human use of the water body such as fishing</p>	<p>Dean Lake is a classified wetland. As a wetland, are these desired water quality parameters reasonable?</p>

Comment No.	SWMP Page Number	SWMP Text	Comment
9	SECTION V Page 4	The City will investigate opportunities to retrofit the downtown area to provide additional water quality treatment in this fully developed area.	The District is a partner on this project, as well as the state through the watershed-based funding grant, and they should be noted in the SWMP.
10	SECTION V Page 5	Increased public involvement through volunteering with groups such as CAMP (Citizen Assisted Monitoring Program) and CSMP (Citizen Stream Monitoring Program).	How is this information used to inform public works activities or projects?
11	SECTION V Page 6	Erosion and sedimentation control plans and SWPPP's for projects that disturb one acre or more of land shall be reviewed and enforced by the City for all new developments. These plans shall conform to the requirements of the Scott WMO, PLSLWD or LMRWD (depending on location) and the NPDES Construction Stormwater Permit	Noted. The City's official controls must be updated to conform to the District's requirements on or before May 2020.
12	SECTION V Page 6	The City will prohibit work in areas having steep slopes (>12%) and high erosion potential where the impacts of significant erosion cannot be protected against or mitigated in accordance with the City's ordinances.	Commendable. This City's ordinance is more protective of steep slopes than the District's Steep Slopes Standard.
13	SECTION V Page 6	5.7. Groundwater	The inclusion of a policy should be considered that would involve working with the District to promote the protection of groundwater resources, which in turn would protect trout waters and fen resources.
14	SECTION V Page 6	With other agencies, the continuation of existing groundwater monitoring, inventorying, or permitting programs.	Information about District led activities in this area should be incorporated. Additionally, how does this tangibly translate to actionable activities?
15	SECTION V Page 7	Efforts to gather further information on the hydrogeology of the region. When such information becomes available, including on the location of groundwater recharge areas and surface water and groundwater interactions, the City will take into consideration these areas for the purpose of maintaining their recharge capabilities in protecting groundwater quality.	Again, given the District's focus on preserving groundwater resources for the protection, preservation, and restoration of trout waters and fens, we are very interested in how the City plans to translate this into actionable activities—funding, technical resources, etc.?

Comment No.	SWMP Page Number	SWMP Text	Comment
16	SECTION V Page 7	5.8. Wetlands	The City's wetland ordinance was passed in 2008 and appears to have last been updated in 2013. Was the information in Appendix E reviewed and updated to conform to current requirements, or is this a planned activity? If it is planned, when will it be performed?
17	Section VI Table 6.1	Possible Funding Sources	Do any of the projects listed fit the goals, policies, and strategies of the District? If so, it would be helpful to see the items specifically associated with the District.
18	Section VI Table 6.1	Ordinance updates - The City will continually evaluate their adopted ordinances related to floodplain regulation, illicit discharge, surface water management, wetland management, and erosion control. Any necessary revisions will be made as regulations change.	This appears to focus on minor tweaks to ordinances. Is there a planned update before the District May 2020 deadline, when the City's official controls must be updated?

March 14, 2019

Linda Loomis, Administrator
Lower Minnesota River Watershed District
112 East 5th Street, #102
Chaska, Minnesota 55318

RE: Shakopee Local Surface Water Management Plan
Reviews File No. 22203-1

Dear Ms. Loomis:

The Metropolitan Council (Council) has completed its review of the city of Shakopee's Local Surface Water Management Plan (plan). The plan provides a good framework for managing the City's water resources and is consistent with Council policies and the Council's *Water Resources Policy Plan*.

We have one minor comment on the plan: in the water resource water quality classifications table (on page 3 of Section 5), O'Dowd Lake is designated as level 3; supporting fishing, aesthetic viewing activities and observing wildlife. According to Section 2.4.2, (Public Area for Water Based Recreation and Access), O'Dowd Lake is also used for swimming. So, it seems the lake should be designated as Level 1 in the Table.

Thank you for the opportunity to comment on the above plan. If you have any questions regarding these comments, please contact Joe Mulcahy 651-602-1104.

Sincerely,



Sam Paske
Assistant General Manager, MCES, Environmental Quality Assurance Department

cc: Kirby Templin, City of Shakopee
Stephanie Hatten, WSB
Deb Barber, Metropolitan Council District 4
Angela Torres, Metropolitan Council Sector Representative
Peter Grafstrom, Metropolitan Council Community Relations Specialist
Raya Esmaeili, Metropolitan Council Referrals Coordinator
Joe Mulcahy, Water Resources Assessment Section