



*Scott Watershed Management Organization*

*200 Fourth Avenue West*

*Shakopee, MN 55379-1220*

**Scott  
Watershed Management Organization**

**February 24, 2020**

**4:00 PM**

**Scott County Government Center**

**County Board Room**



*Scott Watershed Management Organization*

200 Fourth Avenue West

Shakopee, MN 55379-1220

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**AGENDA**

**Scott WMO – Watershed Planning Commission**

**February 24, 2020**

**4:00 p.m.**

**Watershed Planning Commission Meeting  
Scott County Board Room**

- |  |             |
|--|-------------|
| <b>I. Call to Order</b>  | Action      |
| <b>II. Approval of Agenda</b>  | Action      |
| <b>III. Approval of Meeting Minutes</b>  | Action      |
| a. November 25, 2019   |             |
| <b>IV. RECOGNITION OF INTERESTED CITIZENS</b><br>Limited to items not on the agenda, and five minutes per person/subject.<br>Speakers are asked to approach the microphone for the benefit of viewers and interested citizens. | Information |
| <b>V. Election of Officers for 2020</b>  | Action      |
| a. Approval of 2020 meeting dates  | Action      |
| <b>VI. Staff Reports</b>   |             |
| a. Scott SWCD  | Information |
| b. Scott WMO   | Information |
| <b>VII. Old Business</b>   |             |
| a. Project Updates   | Information |
| <b>VIII. New Business</b>  |             |
| a. Shakopee Local Water Management Plan  | Action      |
| b. Credit River Local Water Plan   | Action      |
| <b>IX. Adjourn</b>   |             |



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**MINUTES**

**Scott County WMO – Watershed Planning Commission**

**County Boardroom**

**November 25, 2019**

**Members Present:**

Brian Schmidt  
Jim Schwingler  
Kevin Shea

**Staff Present:**

Vanessa Strong  
Melissa Bokman  
Beverly Cox-Alexander  
Troy Kuphal  
Kate Sedlacek

**Others Present:**

Charlie Howley

**Absent:**

Virgil Pint  
Rita Weaver  
Mark Vierling

**CALL TO ORDER**

Chair Schwingler called the meeting to order at 4:00 PM.

- Specific details and video of the entire November 25, 2019 Scott County WMO Watershed Planning Commission Meeting is available for viewing on the Scott County Website.
- The video link can be viewed at: <https://www.youtube.com/watch?v=hl-tbnkxqQU>

**APPROVAL OF AGENDA:**

**Motion by Commissioner Schmidt; second by Commissioner Shea to approve the November 25, 2019 agenda. The motion carried unanimously.**

**APPROVAL OF MEETING MINUTES OCTOBER 28, 2019:**

**Motion by Commissioner Shea; and Second by Commissioner Schmidt to approve the October 28, 2019 minutes as written and presented. The motion carried unanimously.**

**STAFF REPORTS:**

**SCOTT SWCD:**

- Troy Kuphal provided highlights of the November 2019 SWCD report that is available in the meeting packet
- Technical Assistance and Cost Share Requests
- Marketing and Promotion
  - Soil Health / Cover Crop
- Clean Water Education Program (SCWEP)
- Inventory and Assessment / Planning
- Volunteer Rainfall Monitoring
- Construction Erosion Control – County / Credit River
- Wetland Conservation Act - State
- Helena Wetland Bank
- Equipment Rental Use
- Buffer Law

*Commissioner Schmidt inquired on the project fact sheet for Lowell and Brenda Schmitz Grassed Waterway asking if the project is out of the roadway right of way*

*Troy Kuphal commented the project is outside of the roadway right of way*

**SCOTT WMO:**

Updates from Vanessa Strong

- Staff is working on helping the County update their Chapter 6, Storm Water Ordinance
- Staff are also working on an Alternative Urban Areawide Review (AUAR) for Jackson Township (a planned annexation)
- Staff were fortunate to attend the Minnesota River Ag Urban Partnership Forum in Mankato
- Recognize Commissioner Schwingler for all his years of service. There will be a formal recognition by the County Board in April 2020

**OLD BUSINESS**

**Project Updates**

Updates from Vanesa Strong on CIP Sand Creek Project

- Construction started on November 11<sup>th</sup>

- Tree harvesting is largely finished
- All boulder connections have been completed
- Epoxy testing has passed
- One full structure is almost complete
- The project is on schedule

Melissa Bokman provided updates on Markley Lake

- Pumping on Markley Lake began August 20<sup>th</sup>
- At that time the lake was 4.3 feet above the ordinary high water level
- In October it was reported the lake was 2.6 feet down from August 20<sup>th</sup>
- Due to recent rain, overall Markley Lake is down about 2.19 feet or 26" from August 20<sup>th</sup>
- The lake is still about 2 feet over the ordinary high water level
- Pumping came to a halt at the end of October due to weather and freezing conditions

### **Watercraft Inspections**

Scott County Watercraft Inspections 2019 Year End Report by Waterfront Restoration

- Inspections performed on the following lake entrances
  - Thole, O'Dowd, Spring, McMahan, and (2) entrances at Cedar Lake
- Questions inspectors ask boaters
  - How long has the watercraft been out of the water?
  - What was the last waterbody you visited?
  - What waterbody do you plan to visit after this trip?
  - Have you spoken with an inspector in the last month?
- Some observations the inspectors record
  - Watercraft type
  - Drain plug in or out upon arrival
  - Any plants or animals found on water or mud? Why mud? New Zealand mud snails in that can barely see?
  - License plate number and state
- A total of 2,719 inspections were completed between all 6 of the launches inspected in Scott County
- Waterfront Restoration completed 1,234 hours of inspections and 2,719 physical watercraft inspections
- According to the survey data, the busiest day of the week was Saturday with 1,064 inspections and 512 hours
- Of the 2,719 total watercraft inspections conducted, 1,819 (67%) were entering inspections and 900 (33%) were exiting inspections
- Of the 1,819 entrance inspections less than 2% of them had violations
- Drain plug in at boater arrival (22) was the most common and plants (removable by hand) were the second most common finding (11)
- Staff summary of findings
  - Weekend staffing allowed us to inspect the highest possible percentage of boat traffic in the county
  - For further protection we recommend some inspector staffing Monday – Thursday
  - Recommend scheduling inspectors earlier on certain lakes

### **McMahon Lake Level and Outlet Updates**

- Pumping on McMahon Lake began October 14<sup>th</sup>
- Budget to pump for 30 days
- Pump was shut off on November 14<sup>th</sup>
- From the last reading on November 19<sup>th</sup> the lake was down 14.4”
- Not all of the expenses are in yet
- Next step is to hold a meeting with the Landowners the 3<sup>rd</sup> week of December

### **Final 2020 Budget**

Review of four adjustments to the preliminary 2020 levy and budget for the Scott Watershed Management Organization Special Taxing District and to consider a recommendation to the Board

- The levy increase has not changed from the WPC approved September 2019 Preliminary Budget of 3.9%
- Rollover funds from 2019
  - Staff is requesting funds be carried over for (3) inventory and assessment projects until projects are completed and staff has received final invoicing
  - These (3) projects are under contract to be completed by our partners (City of Jordan Flood Mitigation, Shakopee Feasibility Study, and Savage Feasibility Study)
  - These projects will not be completed within the original 2019 timeline. Staff is comfortable our partners will complete these projects before the end of 2020
- Staff is proposing a slight increase of \$13,880.00 to the Inventory and Assessment Program in order to complete the Cleary Lake Subwatershed Assessment (SWA) already underway, and begin the next round of SWA’s (Robert’s Creek has been identified)
- Overall both revenue and expenses are still down as compared to 2019
- The projected fund balance for the end of 2019 is low. This preliminary budget for 2020 is still somewhat low, but with grants pending, future balances should improve

**Motion by Commissioner Shea; second by Commissioner Schmidt to recommend approval to the board of the Draft Final 2020 Levy and Budget. The motion carried unanimously.**

## **NEW BUSINESS**

### **December WPC Meeting Canceled**

- No action items planned for December

## **ADJOURN MEETING**

**Motion by Commissioner Schmidt and Second by Commissioner Shea to adjourn the meeting at 4:32 PM. The motion carried unanimously.**

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**Rita Weaver**  
Vice Chair, Watershed Planning Commission

**Date**

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**Beverly Cox-Alexander**  
Secretary



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## **Memorandum**

January 27, 2020

To: Watershed Planning Commission  
From: Vanessa Strong, Water Resources Supervisor  
Subject: V. Election of Officers for 2020

Staff is providing the Scott Watershed Planning Commission Rules of Operation Approved 2008 (attached). The Rules are for information purposes only, and may be useful in assisting the Watershed Planning Commissioners in electing a Chair and Vice Chair for 2020.

# Scott Watershed Planning Commission

## Rules of Operation

*Approved 2008*

### INTRODUCTION

Section 5 IV.B of the Comprehensive Water Resource Management Plan adopted by the Scott Watershed Management Organization (WMO) Board describes the Scott WMO Watershed Planning Commission (WPC). The WPC is a permanent advisory committee and will be operated under the County's standard procedures for advisory committees. This document sets out the rules of operation for the WPC including: responsibilities, membership, duties, compensation, meetings, and process to amend these rules.

### RESPONSIBILITIES

The responsibilities of the WPC will include:

- a) Reviewing, commenting on, and recommending program priorities;
- b) Reviewing, commenting on, and recommending any necessary amendments to the Comprehensive Water Resource Management Plan;
- c) Reviewing, commenting on and recommending proposed annual workplans and budgets; and
- d) Utilize and implement the Comprehensive Water Resource Management Plan.

### MEMBERSHIP

The WPC will consist of seven members who are residents of the Scott WMO. Two members will be from the Sand Creek Watershed (due to its large size), there will be one member from each of the remaining watersheds (Credit River, Southwest, and Shakopee Basin) and two members will be at large. WPC members will be appointed to three year terms, with a three term limit. Terms will be staggered at the outset to ensure continuity of membership over the long term. WPC members must be and remain residents of the watershed from which they are appointed.

### CONFLICT OF INTEREST

If any WPC member has a financial interest or personal interest with respect to the parties involved, or stands to realize a financial or personal gain or loss with respect to an action on any matter coming before the WPC, that member shall disclose this fact and be disqualified from taking part in any discussion or action on the matter as a member of the WPC. The chair of the WPC shall make rulings on such disqualifications.

Any WPC member who believes that the WPC chair should be disqualified from any matter hereunder may refer the matter to the vice-chair who shall make a ruling on such disqualification.

#### REMOVAL FROM OFFICE

Any member of the WPC may be removed from office for just cause and on written charge by a majority vote of the Scott WMO Board. Any member may be removed for repeated, unexcused absence from WPC meetings. It will be the duty of the Chair of the WPC to notify the Chair of the Scott WMO Board when any member has three or more unexcused absences, or when a member's sporadic attendance prevents meaningful participation in WPC matters.

#### VACANCIES

The Chair of the WPC will direct staff to notify the Chair of the Scott WMO Board of vacancies occurring in membership. The Scott WMO Board will fill vacancies with a person from the same watershed in which the person being replaced resided within 60 days from the date the Scott WMO Board is notified of the vacancy.

#### COMPENSATION

Members of the WPC will receive no salaries or fees for their services, however members will be eligible to receive a per diem payment and mileage reimbursement at the County's standard rate for advisory committees.

#### OFFICERS

The WPC will elect a chair and a vice-chair from among its members. These officers will serve for one-year terms.

#### MEETINGS

The WPC will meet regularly pursuant to a schedule established by the WPC. The chair may call special meetings. The WPC will be subject to the Open Meeting Law, Minn. Stat. Ch. 13D. A quorum of at least four WPC members must be in attendance at regularly scheduled meetings to vote on action agenda items or to vote on motions made during regularly scheduled meetings.

#### VOTING

Each WPC member is entitled to one vote. The WPC will function by a majority vote of the members present. There must be a quorum present to vote. A tie-vote by the WPC constitutes an impasse, and the item in question must be tabled until the full seven-member WPC can be convened to vote on it.

#### OFFICIAL MINUTES

The minutes of the WPC will be recorded by Scott County staff, and will include the time, date and place of the meeting, the attendance of the members and guests, the topics of the meeting, actions taken or findings made, results of roll call votes, and a narrative or summary of pertinent discussions. A copy of the minutes for each meeting will be transmitted to members of the Scott WMO Board and the WPC.

#### RULES AND RESPONSIBILITIES

The WPC will use Robert's Rules of Order to govern its meetings and the transaction of its business.

#### COMMITTEES

To accomplish its prescribed responsibilities, the WPC may create committees of its members to study and report on projects, plans and programs under consideration by the Scott WMO Board. Such committees will operate under the Rules of Operation of the full WPC. The Chair of the WPC will appoint a chair and membership of all committees.

#### STAFF SUPPORT

Scott County will provide staff support to the WPC, coordinated through the Scott County Natural Resources Department. The cost of such support will be funded through the budget of the Scott WMO. The Scott WMO Board may make additional technical support available to the WPC by increasing appropriate budget allocations.

#### AMENDMENTS TO THE RULES OF OPERATION

Any WPC member may offer a motion to amend the Rules of Operation. The motion must receive a second before a vote on an amendment will be scheduled. All proposed amendments must be read before the WPC at a regularly scheduled meeting. Voting on any amendment will be held at the first meeting after a motion to amend has been made and seconded. Amendments to the Rules of Operation will require a majority vote of those present at the meeting and subsequent approval by the WMO Board.

## SEPARABILITY PROVISIONS

Should any article of these Rules of Operation be held unconstitutional or void, the remaining provisions will remain in full force and effect.

## EFFECTIVE DATE

These Rules of Operation will take effect immediately, subject to approval by the Scott WMO Board.

# 2020

## Holidays & Observances

### January

Su	M	Tu	W	Th	F	Sa
			<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
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### February

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### March

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**Jan 01** New Year's Day

**Jan 20** Martin Luther King Day

**Jan 25** Chinese New Year

**Feb 12** Lincoln's Birthday

**Feb 14** Valentine's Day

**Feb 17** President's Day

**Feb 26** Ash Wednesday

**Mar 08** Daylight Saving (begin)

**Mar 17** St. Patrick's Day

**Mar 20** Vernal equinox (GMT)

**Apr 01** April Fool's Day

**Apr 09** Passover

**Apr 12** Easter

**Apr 22** Admin Assistants Day

**Apr 24** Ramadan begins

**May 10** Mother's Day

**May 25** Memorial Day

**May 31** Pentecost

**Jun 14** Flag Day

**Jun 20** June Solstice (GMT)

**Jun 21** Father's Day

**Jul 04** Independence Day

**Sep 07** Labor Day

**Sep 19** Rosh Hashanah

**Sep 22** Autumnal equinox (GMT)

**Oct 12** Columbus Day

**Oct 31** Halloween

**Nov 01** Daylight Saving (end)

**Nov 11** Veterans Day

**Nov 26** Thanksgiving

**Dec 10** Hanukkah begins

**Dec 21** December Solstice (GMT)

**Dec 25** Christmas Day

**Dec 26** Kwanzaa begins

**Dec 31** New Year's Eve

### April

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### May

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### June

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### July

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### August

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### September

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### October

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### November

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### December

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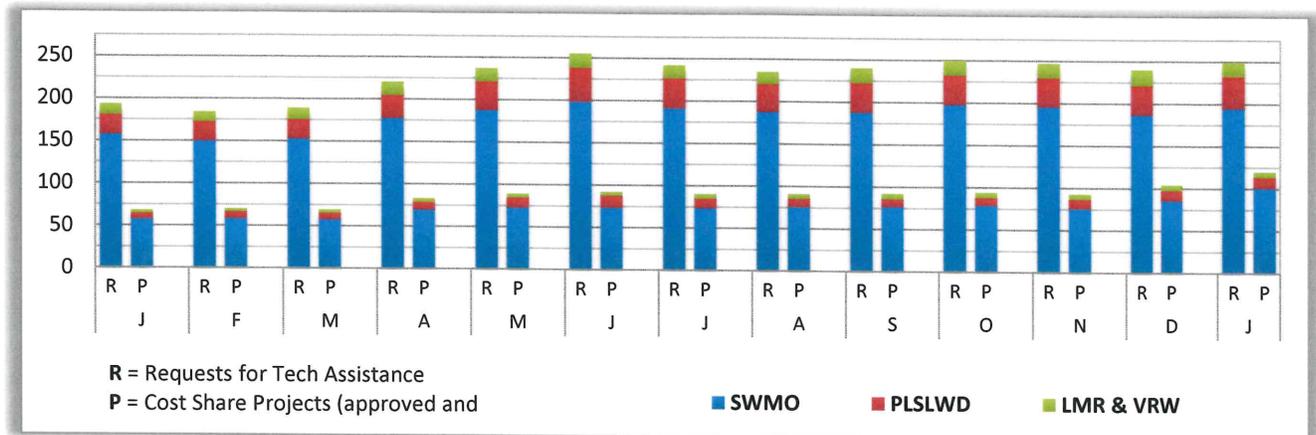
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## **Staff Reports**

### TECHNICAL ASSISTANCE AND COST SHARE REQUESTS



### MARKETING AND PROMOTION

#### Soil Health/Cover Crop

- Published the January Cover Crop e-Newsletter which had 24 views
- Coordinated and participated in quarterly “Soil Health Team” meeting in Union Hill; 16 producers attended
- Wrote an article for the Scene about Adam Simon’s planter conversion from conventional to no-till
- Changed the date of the cover crop workshop to March 19 due to speaker conflict, and began promotion
- Set up a small “Cover Crops 101” workshop for March 4 from 2 to 4 pm. MN farmer Andy Linder will be coming to St. Patrick’s Tavern to talk to beginning cover croppers
- Met with Ken Thomas from Farmer’s Mill and Elevator to talk about program collaboration

#### CLEAN WATER EDUCATION PROGRAM (SCWEP)

- Scott SWCD, partnering with SWMO and PLSLWD, were awarded a BWSR “Lawns to Legumes” grant for \$20,766. Funds will be used to establish pollinator habitat and providing outreach for Scott County citizens
- Met with Cedar Lake Improvement District members to assist and partner with them on developing public outreach strategic plan.
- Visited Melissa Digatono's 8th grade classroom in New Prague to provide technical assistance for a student project developing educational materials to improve the water quality in Cedar Lake. Topics included chlorides, excess nutrients, and erosion.
- Submitted 5 articles to the Scott County SCENE. Article topics were tree sale promotion, a landowner success story featuring Adam Simon, summation of the Lake-Friendly Farm event, highlights of the Outstanding Conservationist awards, and promotion for the upcoming cover crop workshop.
- Organized conservation practice photo gallery for website and prepared a list of projects to capture in 2020.
- Scheduled 2020 workshops at the Spring Lake Town Hall.
  - Raingarden workshop to be held on April 8.
  - Shoreline workshop to be held on June 10.

#### INVENTORY AND ASSESSMENT/PLANNING

- No activity

#### ZONING SUPPORT - COUNTY

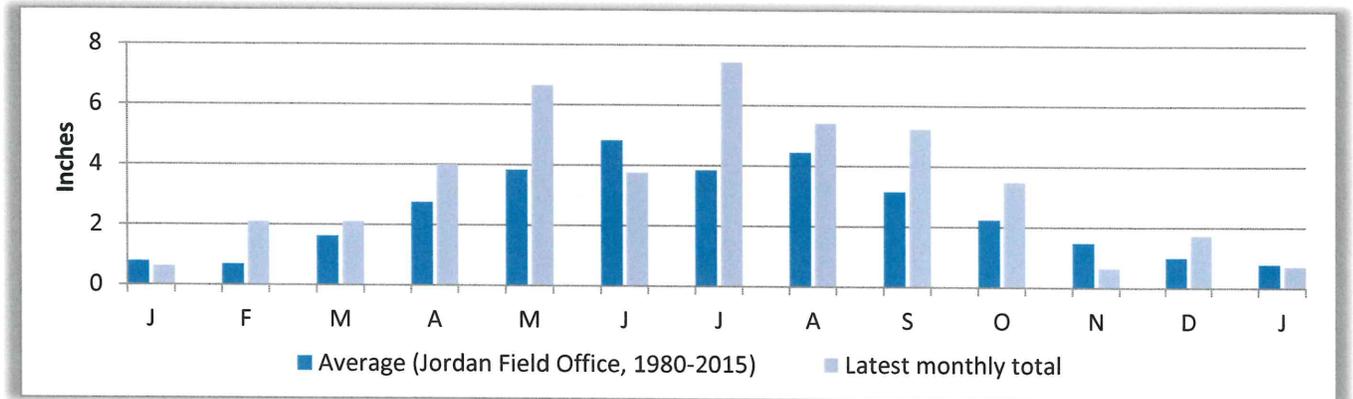
- Began regulatory assistance (MPCA and Scott County) with Dale Meierbachtol farm for potential feedlot expansion including closure of some facilities

**LIVESTOCK OPERATION ASSISTANCE**

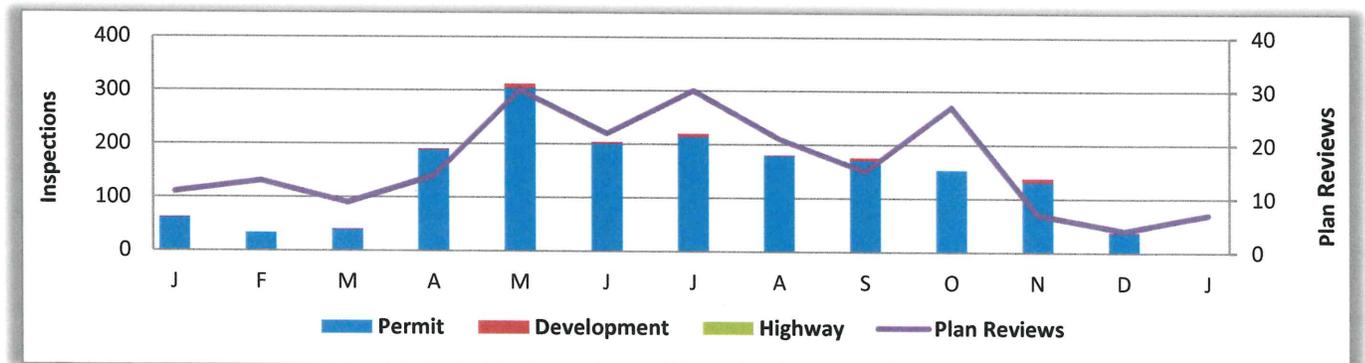
- Continued Randy Oldenburg CNMP update for new EQIP application
- Updated Feedlot GIS layer in Blakeley Township

**MONITORING**

- **Water Quality/Flows**
  - No activity
- **Groundwater Level Observation Wells (DNR)**
  - No activity
- **Volunteer Rainfall Monitoring**



**CONSTRUCTION EROSION CONTROL – COUNTY/CREDIT RIVER**



**WETLAND CONSERVATION ACT - STATE**

- **TEP Meetings & Application Reviews**
  - SC Hwy CSAH 27 Replacement (Credit River Twp)
- **Notices of Application**
  - No activity
- **Notices of Decision**
  - No activity
- **Enforcement/compliance**
  - No activity
- **Helena Wetland Bank**
  - Submitted time and expenses to BWSR for determination of proportional share of contributions
  - Submitted paperwork requesting the deposit of initial wetland release into SWCD bank (~4 acres)

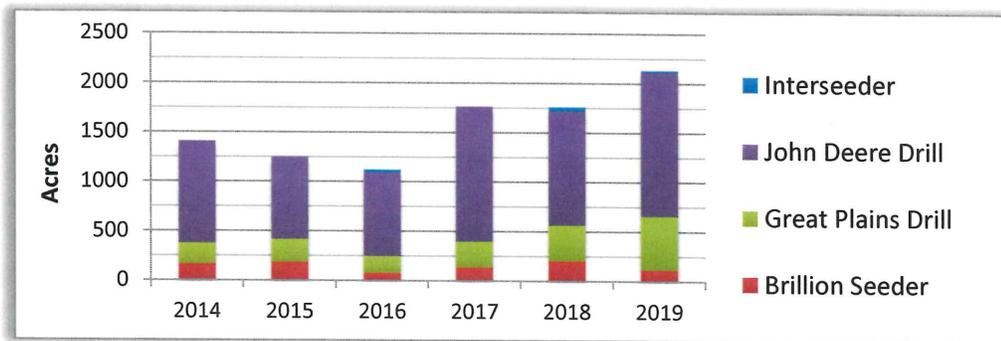
**BUFFER LAW**

- Made updates to BWSR’s BuffCAT tracking system documenting monitoring is complete for 2019

**TREE PROGRAM (SWCD)**

- Tree ordering website launched on Jan 1
- Email marketing campaign sent to 2,392 subscribers & customers, generating 50 orders and \$5,345 in sales
- Received 83 orders for a total of 6,850 trees & 32 seed mixes (compared to 7,050 trees & 19 seed mixes sold last year at this time)
- Tree tubes added to sale this year

**EQUIPMENT RENTAL USE**



**COOPERATIVE WEED MANAGEMENT (CWM) PROGRAM**

- Received an extension for 2019 MDA Noxious Weed Grant through the end of 2020
- Awarded an additional \$10,000 MDA Noxious Weed Grant for fiscal year 2020

**WMO TACS PROGRAM ACTION BY SWCD BOARD (FEB '19)**

**Payments**

Cooperator	Project/ID	Action	Grant/ID	Contract #	Amount
Casey Acres, Inc*	Cover Crop/CP-18-183	Switch fund source of prior-approved payment	SWMO 2019 WBF/P19-3277 SWMO 2020 LGF	19-04-WMO 19-04-WMO	(\$4,000) \$4,000
Perez, Manuel*	Conservation Cover/CP-18-178	Flat Rate Payment	SWMO 2019 LGF	19-18-WMO	\$500
Scheffler, Hilary	Cover Crop/CP-18-168	Flat Rate Payment	SWMO 2016 EPA	18-33-SWCD	\$2,080
Scheffler, Travis	Cover Crop CP-18-151	Flat Rate Payment	SWMO 2016 EPA	18-30-WMO	\$1,830

**New Applications**

Cooperator	Project/ID	Action	Grant/ID	Contract #	Amount
Pexa, Scott*	Water & Sediment Control/SR-18-133	Approval	SWCD 2020 LGF	20-29-SWCD	\$3,625

Pexa: Approval exceeded the Docket maximum cost share of 85% (total all sources) and therefore included a variance

**Amendments/Funding Changes**

Cooperator	Project/ID	Action	Grant/ID	Contract #	Amount
Casey Acres Inc	Cover Crops/SR-18-183	Switch Funds	SWMO 2019 WBF/P19-3277 SWMO 2020 LGF	19-31-SWMO 19-31-SWMO	(\$12,000) \$12,000
Schmidt, Nick	Conservation Cover/SR-19-080	Approval	SWMO 2020 LGF	20-03-SWMO	(\$950)

Schmidt: January 21, 2020 SWCD Board approved decreasing SWMO 2020 LGF by \$3,400; this was an error and should have been \$4,350.

\*Fact Sheets attached

## Casey Acres Inc. Cover Crop

### Cooperator & Location

Name): **Casey Acres Inc.**  
 Address: **17826 Murphy Lake Blvd**  
 City/Twp: **Credit River**  
 Watershed: **SWMO**  
 Project ID: **SR-18-183**

### Project Details

Practice: **Cover Crop**  
 Quantity: **100.00 Acres**  
 Resource Protected:  
**Credit River**

### Environmental Benefits

<u>Parameter</u>	<u>Before</u>	<u>After</u>	<u>Saved</u>
Soil Erosion (tons/yr)	<b>180.6</b>	<b>125.4</b>	<b>55.2</b>
Sediment (tons/yr)	<b>52.3</b>	<b>36.6</b>	<b>15.7</b>
Phosphorus (lbs/yr)	<b>92.7</b>	<b>69.8</b>	<b>22.9</b>
Runoff Volume (acre ft)	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

#### Project Description:

The Casey's have 100 acres of corn silage and soybean ground where they saw an opportunity to plant a cover crop after harvest. Cover crops consist of grasses, legumes, forbs or other herbaceous plants seeded individually or in mixes either before or after harvest of the primary crop. The primary benefits of cover crops include reducing erosion and improving the soil's physical and biological properties. Healthy soil yields less runoff and improves nutrient and water utilization by crops. They prefer to plant radishes and turnips as a cover crop to alleviate the compaction from chopping silage as well as to prevent soil erosion.



### Total Cost

**\$12,000.00**

### Sources

Cooperator: **\$0.00**  
 SWMO: **\$12,000**  
 SWCD: **\$0.00**  
 Federal: **\$0.00**

### Unit Costs\*

	<u>Sediment</u> \$/Ton	<u>Phos</u> \$/Pound	<u>Runoff</u> \$/Ac Ft
SWCD:	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
SWMO:	<b>\$254.78</b>	<b>\$174.67</b>	<b>\$0.00</b>
Overall:	<b>\$254.78</b>	<b>\$174.67</b>	<b>\$0.00</b>

\*Over term of cost share contract



## Manuel Perez Conservation Cover

### Cooperator & Location

Applicant(s): Manuel Perez  
 Address: 7498 236th Street East, Lakeville  
 Location: Township: 113N Range: 21W Sect: 8  
 City/Town: New Market Twp  
 Watershed: 33126 Project ID: CP-18-178

### Project Details

Practice  
**Conservation Cover**  
 Quantity: 1.0 Acres Certified Complete: 12/4/2019

Resource Protected  
**Credit River**

Project Description  
 Manuel's house was recently built. Instead of seeding a standard lawn, he seeded the lawn to be native prairie. This practice involves establishing native prairie ecosystems that were once characteristic of Minnesota. It improves water quality by eliminating sources of sediment and other pollutants and reducing runoff volumes. The project included numerous native grasses and flowers, to enhance habitat quality for all wildlife species including birds, pollinators, and natural landscape aesthetics for human enjoyment.

Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)			0.0
Sediment Load (tons/yr)			0.0
Phosphorus Load (lbs/yr)			0.0
Runoff Reduction (acre ft)	0.8	0.4	0.4



### Cost Analysis

Project Costs		Funding by Source		Grant Source		Unit Costs*			
Installation:	\$1,785.20	Federal	\$0.00	EPA-319	<input type="checkbox"/>		Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)
Incentives:	\$500.00	State		CWF	<input type="checkbox"/>	SWCD			n/a
<b>Total:</b>	<b>\$2,285.20</b>	SWCD	\$0.00	DRAP	<input type="checkbox"/>	SWMO			\$125
<b>Targeted Project</b>		SWMO	\$500.00	<b>Approval Date</b>		Overall			\$571
<input type="checkbox"/>		Cooperator	\$1,785.20	4/16/2019					

\*Over term of cost share contract

## Scott Pexa Water and Sediment Control Basin

### Cooperator & Location

Name): **Scott Pexa**  
 Address: **196 West 280th Street**  
 City/Twp: **Cedar Lake**  
 Watershed: **SWMO**  
 Project ID: **SR-18-133**

Aerial View of Project Site



### Project Details

Practice: **Water and Sediment Control Basin**

Quantity: **4.00 Each**

Resource Protected:

#### Sand Creek

Project Description:

A water and sediment control basin (WASCB) is an earthen embankment or a combination ridge and channel constructed at the head of an ephemeral (annual recurring) gully. The embankment is designed to temporarily impound water from the contributing area, and slowly release it through an underground outlet structure, typically a tile line. This serves to reduce peak volume and discharge rates, which not only prevents topsoil erosion but also traps sediment and other pollutants to improve downstream water quality. Four WASCB's and one Grassed Waterway will be installed to treat 4 ephemeral gullies.

Current Project Site



### Environmental Benefits

<u>Parameter</u>	<u>Before</u>	<u>After</u>	<u>Saved</u>
Soil Erosion (tons/yr)	<b>99.8</b>	<b>0.0</b>	<b>99.8</b>
Sediment (tons/yr)	<b>27.1</b>	<b>0.0</b>	<b>27.1</b>
Phosphorus (lbs/yr)	<b>27.1</b>	<b>0.0</b>	<b>27.1</b>
Runoff Volume (acre ft)			<b>0.0</b>

### Total Cost

#### Sources

#### Unit Costs\*

	Cooperator	SWMO	SWCD	Federal	Sediment \$/Ton	Phos \$/Pound	Runoff \$/Ac Ft
<b>\$54,725.00</b>	\$4,584.00	\$46,516.00	\$3,625.00	\$0.00	SWCD: \$13.38	SWCD: \$13.38	
					SWMO: \$171.65	SWMO: \$171.65	
					Overall: \$201.94	Overall: \$201.94	

\*Over term of cost share contract

### Local Funding Partner





*Scott Watershed Management Organization*

*200 Fourth Avenue West*

*Shakopee, MN 55379-1220*

## **Old Business**



*Scott Watershed Management Organization*

*200 Fourth Avenue West*

*Shakopee, MN 55379-1220*

## **New Business**



*Scott Watershed Management Organization*  
200 Fourth Avenue West  
Shakopee, MN 55379-1220  
952-496-8054 Fax 952-496-8496  
[www.scottcountymn.gov/wmo](http://www.scottcountymn.gov/wmo)

## **Memorandum**

January 27, 2020

To: Watershed Planning Commission

From: Vanessa Strong, Water Resources Supervisor

Subject: VIII.a. Shakopee Local Water Management Plan

The purpose of this agenda item is to consider a recommendation to the County Board to approve the City of Shakopee's Local Water Management Plan, dated February 2019.

The City submitted its Local Water Management Plan (LWMP) to the Scott WMO in early 2019. Per Minnesota Statute 103B.235, Subd. 3, the WMO shall have 60 days to complete its review of a local water plan. The WMO must also take into consideration comments submitted by the Metropolitan Council on the local water plan.

The WMO completed its review with comments in a letter dated March 6, 2019 (attached) to the City. The LWMP can be found on the City's website:  
<https://www.shakopeemn.gov/government/departments/public-works/surface-water-drainage>.  
Staff has reviewed that the requested changes were made in the City's LWMP and feels the Plan has been prepared in accordance with the requirements of Minnesota Statutes Section 473.157 and 103B.235 and Minnesota Rules 8410.0160 and 8410.0170, and contains the requirements for local plans.



*Scott Watershed Management Organization*

*200 Fourth Avenue West*

*Shakopee, MN 55379-1220*

*952-496-8055 Fax 952-496-8496*

*www.scottcountymn.gov/wmo*

March 6, 2019

Kirby Templin  
City of Shakopee  
485 Gorman Street  
Shakopee, MN 55379

Dear Mr. Templin:

This letter presents the findings of the review of the draft City of Shakopee's Local Surface Water Management Plan, dated February 2019. The documents were reviewed for equivalency with the Scott Watershed Management Organization Comprehensive Water Resources Management Plan and in accordance with State Statute 103B and Minnesota Rules 8410. According to Minnesota Statute 103B.235, Subd. 3, the Scott Watershed Management Organization (SWMO) is required to consider comments submitted by the Metropolitan Council.

Overall, we commend the City for writing a thorough and well thought out Plan placing a high priority on working collaboratively with the three watershed organizations and for a commitment to improving water quality.

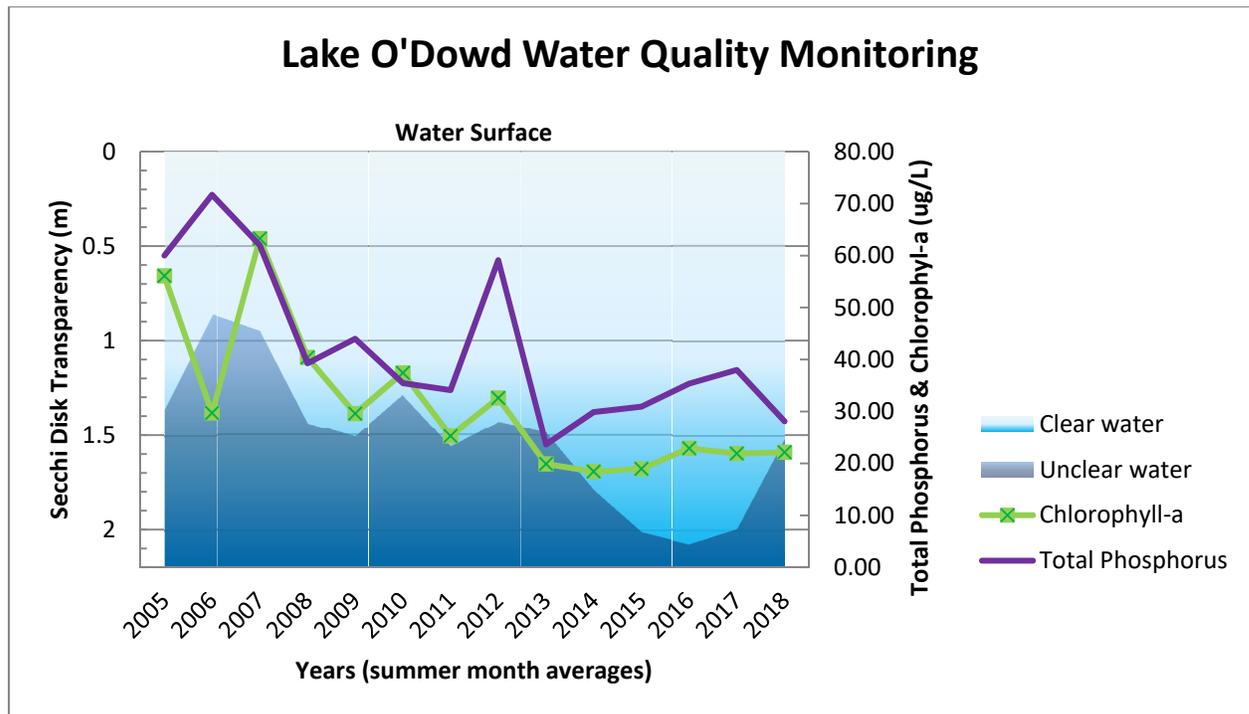
Although staff feels the Plan is close to an approval, we have some comments and follow-up questions we would like a response to before we are ready to recommend its approval. Below please find our comments and questions for your consideration and response. The Scott WMO is supposed to consider comments from Met Council, it has been brought to our attention they are still working on their comments, but we wanted to get our comments to the city as soon as possible.

**Comments/Suggested Changes**

1. Section 2, page 5, Figure 7; the water quality data mean values shown in Figure 7 for O'Dowd Lake do not match the water quality growing season averages the SWMO has from the Citizen-Assisted Monitoring Program data from Met Council. What year is this data representing in Figure 7 and what program was this data collected under?
2. Section 5, Page 3, 5.3 Water Quality Policies 2 & 3. Same comment as #2, Our current Plan and WMO Standards reference the MPCA NPDES Construction Stormwater requirements for post-construction stormwater treatment systems. The city should be referring to the post-construction MPCA NPDES permit requirements instead of NURP treatment.
3. Section 5, Page 3, #8 Resource classification table, "Desired Water Quality Parameters"; the desired water quality parameters listed in this table are higher than what O'Dowd Lake is currently experiencing for total phosphorus and secchi transparency. In 2016, the MPCA removed O'Dowd Lake for the federal impaired waters list because it meets water quality standards for the ecoregion it is in. The lake is experiencing an improving trend in water quality and since 2008, the average total phosphorus concentration in O'Dowd has been less

than 40 ug/L (with the exception of 2012 which it was still under the above standard). Transparency and chlorophyll-a have been on an improving trend since 2008 as well.

State Standards for Shallow Lakes in the North Central Hardwood Forest Ecoregion	
Parameter	Standard (units)
Total Phosphorus	60 µg/L
Chlorophyll-a	20 µg/L
Secchi Disk Transparency	Greater than 1m



Staff recommends removing the “desired water quality parameters” column or numbers and rather state that the goal is to not degrade from current conditions, rather than enter a range of quantities higher than the current standard and condition of the lake. In addition, the city may want to consider that the numbers entered for the desired water quality parameters for the Minnesota River in your table, are far below the State standard for Class 2 b waters. The total phosphorus standard for the river is less than or equal to 150 ug/L. Considering the size of the Minnesota River watershed and the multitude of inputs from other regions, it seems unlikely that the city will even get close to the 30-75 ug/L for phosphorus in the Minnesota River. The SWMO’s target goal for total phosphorus parameter to the Minnesota River is less than or equal to 150 ug/L (SWMO Water Resources Plan, page 3-11).

4. Section 5, Page 3, #8 Resource classification table, “Desired Water Quality Parameters”; the desired water quality parameters listed in this table for Dean Wetland for the classification of this waterbody, and considering its historical hydrologic alterations and sediment inputs starting in the 1980s. A few years ago the Lower Minnesota River Watershed District with concurrence of Scott County, the Prior Lake Spring Lake Watershed District and the City of Shakopee, submitted evidence to the Minnesota Pollution Control

Agency that Dean Lake did not meet criteria for being considered a lake, rather it was a wetland, and requested a change in classification. This change was granted. Thus, we suggest the city consider non-degradation from the current condition as the goal for Dean Wetland rather than a range or standard established for lakes. This would be consistent with what was articulated by residents around the “lake” when they were consulted about the re-classification (i.e. they were fine with considering it a wetland provided steps were taken to keep it from getting worse). A definition and goals for maintaining the existing quality could be articulated in terms of the existing phosphorus concentrations and/or maintaining or improving the diversity of aquatic plants (habitat quality).

5. Section 7, Page 7, Groundwater 7; The Scott County Comprehensive Groundwater Plan is expired. You can delete this bullet point. We did not update it; instead we incorporated a groundwater Strategy into the Scott WMO Water Resources Management Plan.
6. Section 7, Page 1, 5.1 Summary; Our current Plan and WMO Standards reference the MPCA NPDES Construction Stormwater requirements for post-construction stormwater treatment systems. NURP standards are different than what is in the NPDES permit. The city should be referring to the post-construction MPCA NPDES permit requirements instead of NURP treatment.

### Edits

1. Section 2, Page 9, second paragraph, “County” is not included in the Scott Watershed Management Organization name.
2. Section 2, Page 9, 2.3.6 Groundwater, 2. “The Scott ~~County~~ Watershed Management Organization Comprehensive Water Resources Management Plan...” “County” is not included in the name of the Scott WMO. The link you have for this Plan should be changed to:  
<https://www.scottcountymn.gov/DocumentCenter/View/11775/WMO-Water-Resources-Plan-FINAL>
3. Section 4, Page 7, 4.4; Issue 4.4.1 Corrective Action; “The city will work with the watershed ~~district~~ management organization or Scott WMO, regarding water quality issues and participate...” O’Dowd Lake is within the jurisdiction of the Scott WMO, not the watershed districts.
4. Section 4, Page 11, Issue 4.11.3 Corrective Action; These agencies include ~~three~~ watershed districts and one watershed management organization, the county....”

Thank you for the opportunity to review your Local Surface Water Management Plan. If you have any questions regarding our comments, feel free to give me a call at 952-496-8887 or email [mbokman@co.scott.mn.us](mailto:mbokman@co.scott.mn.us).

Sincerely,

Melissa Bokman Ermer  
Sr. Water Resources Planner

Cc: Paul Nelson, Environmental Services Program Manager, Scott WMO Administrator  
Joe Mulcahy, Environmental Analyst, Metropolitan Council



*Scott Watershed Management Organization*

200 Fourth Avenue West

Shakopee, MN 55379-1220

952-496-8054 Fax 952-496-8496

[www.scottcountymn.gov/wmo](http://www.scottcountymn.gov/wmo)

February 19, 2020

Shane Nelson, P.E.  
Hakanson Anderson, Inc.  
3601 Thurston Avenue  
Anoka, MN 55303

Dear Mr. Nelson:

The Scott WMO has received the revised Credit River Township Surface Water Management Plan, February 2020. Staff has reviewed the changes made by the Township and the Plan is scheduled to be presented to the Scott Watershed Management Organization Watershed Planning Commission on February 24, 2020 for a recommendation for approval. The Watershed Planning Commission meeting runs 4:00 p.m. – 6:00 p.m. in the Board Conference room on the second floor of the Scott County Government Center. You are not required to attend, but it is open to the public and want to give you the opportunity should you choose to do so.

The final approval will go to the Scott County Board of Commissioners on March 17, 2020.

If you have any questions feel free to call me at 952-496-8887.

Sincerely,

Melissa Bokman Ermer

Cc: Vanessa Strong, Water Resources Supervisor  
Kaci Fisher, Hakanson Anderson, Inc.  
Karen Donovan, Credit River Township Clerk



*Scott Watershed Management Organization*

200 Fourth Avenue West

Shakopee, MN 55379-1220

952-496-8054 Fax 952-496-8496

[www.scottcountymn.gov/wmo](http://www.scottcountymn.gov/wmo)

August 20, 2019

Shane Nelson, P.E.  
Hakanson Anderson, Inc.  
3601 Thurston Avenue  
Anoka, MN 55303

Dear Mr. Nelson:

This letter presents the findings of the review of the draft Credit River Township Watershed Management Plan dated June 2019 received on June 24, 2019. The document was reviewed for equivalency with the Scott Watershed Management Organization (SWMO) Comprehensive Water Resources Management Plan, and in accordance with Minnesota State Statute 103B.235 and Minnesota Rule 8410.0160. In addition, according to Minnesota Statute 103B.235, Subd. 3, the SWMO shall have 60 days to complete its review, and is required to consider comments submitted by the Metropolitan Council. We have reviewed Met Council's comments and disagree that the Plan meets all required elements.

Staff feels the Plan is a good start, but is missing some required elements in MN Statute 103B and 8410 and would not recommend approval at this time. Below please find our comments and questions for your consideration and response.

**Comments/Suggested Changes**

1. Page 1, Introduction and Executive Summary. "The 2019 plan incorporates the Scott Watershed Management Organization (SWMO) third generation plan (2019 – 2026) as well as the latest requirement from Metropolitan Council." We are confused as to what this statement means. Is the township incorporating all of the Scott Watershed Management Organization's 2019 – 2026 Watershed Plan? Or just certain parts of it? If so, there is no other reference in this draft Plan that states that.
2. What is the duration of this Plan once it's adopted? What years will it be effective for? That should be stated in the Executive Summary or Introduction.
3. (*Mn Rule 8410.0160, Subp. 3.D.*) Page 22, 3. Management Strategies and Problem Areas. The Plan does include a section on Problem Areas, which sort of articulates what the issues are that the township is facing in terms of water resource management. Typically a watershed or stormwater plan will state what the issues are first, followed by what are the goals (or outcomes) it would like to work towards for those issues, then discuss policies or strategies that will be used for achieving those goals, and finally how it will implement those strategies or policies. It seems a bit confusing combining the management strategies with the problem area section.

4. (Mn Rule 8410.0160, Subp.3.E.) Goals. Page 32, 4.4 Groundwater Goal. There is no Scott County Groundwater Protection Plan. It expired several years ago and a decision was made not to update it. The Scott WMO has incorporated groundwater protection elements into its watershed plan, but we recommend deleting the reference to the County Groundwater Protection Plan. Additionally, there are no stated measurable goals for Nonpoint Source Pollution; Enhancement of Public Participation, Information and Education; Floodplains; and Low Impact Development. The Mn Rule reference includes details and sections of the Rule and need additional information incorporated into the Plan.

5. (Mn Rule 8410.0160, Subp.3.E.) Capital Improvement Plan. Under the Implementation section, each plan is required to contain prioritized implementation actions throughout the year the plan extends to including the implementation action, schedule, estimated cost, funding source(s) and annual budget totals. Please refer to the Mn Rule reference for further detail on what should be included.

6. (MN Statute 103B.235, Subp. 4) (Mn Rule 8410.0160, Subp.3.E.) Will the township be developing its own ordinances? If so, 103B and 8410 requires those to be developed within 180 days after the Scott Watershed Management Organization's approval of this Plan. If so, please state so in your Plan that you will be adopting an ordinance within 180 days after approval of this Plan.

7. Page 28, 3.4 Problem Areas, 3.4.1 Lake and Stream Water Quality Concerns, Credit River, Corrective Action. Please add a statement that the township is open to partnering with the Scott WMO and County on corrective actions in the TMDL report once it's approved.

8. Page 32, 4.4 Groundwater Goal. ".....Scott County Water Resources Plan and the Scott County Groundwater Protection Plan 2016 – 2026 Scott Watershed Management Organization Comprehensive Water Resources Management Plan" Scott County's Groundwater Plan expired many years ago, and the decision was made not to revise it, but to add strategies to the Scott WMO Plan to protect groundwater.

9. Page 33, 4.4 Groundwater, Policy 7. Scott County is no longer a delegated county for the Feedlot Program. Consider changing the wording to say Minnesota Pollution Control Agency Feedlot Program.

10. Page 43, 5.2.5.4 Street Sweeping. Sweeping once in the spring would reduce impacts of chlorides from winter road maintenance reaching the Credit River since the townships paved roads cross over the river in several locations. Is sweeping needed in the fall as well to remove leaf fall before it has a chance to runoff into ditches and conveyance systems during fall rains?

11. Page 45, 5.3 Water Quality Monitoring Program. The Scott WMO would also be a cooperative partner with the township in planning and protecting the Credit River. We have been monitoring water quality in the Credit River for over a decade.

12. (Mn Rule 8410.0105, Subp. 1.) Evaluation Process. Under the Implementation section, each plan is required to contain a procedure to evaluate progress for the implementation actions at a minimum of every two years. Please refer to the MN Rule reference for further details on what's needed in your Plan.

### **Recommended Edits**

1. Page 4, 4. Construction Site Stormwater Runoff Control, last sentence; "Scott County Soil & Water Conservation District (SWCD)."

2. Page 4, 5. Post-Construction Stormwater Management in New Development and Redevelopment, last sentence; "....equal to 10,000 square feet to insure grading plans will meet this requirement."

3. Page 9, Figure 2-2. Vermillion River COU JPO (Joint Powers Organization)
4. Page 11, 2.5.1 Protected Lakes; provide a link to the MPCA Environmental Access Data website.
5. Page 15, 2.8 Soils; 2<sup>nd</sup> paragraph, add link to the NRCS Web Soil Survey.
6. Page 21, 2.15 Water Resources Related Agreements; 1<sup>st</sup> sentence; "Scott County is composed mostly of the Scott Watershed Management Organization.....and Vermillion River Watershed Joint Powers Organization." 3<sup>rd</sup> paragraph; "In addition, the County SWMO and other watershed jurisdictions has have adopted Rules and Standards...."
7. Page 25, 3.3.2 Flood Protection Level; 3<sup>rd</sup> sentence. "Storm drainage systems that sever serve as the outlet for areas where flood damage is likely to occur must safely pass the critical-duration 1 percent ~~change~~ chance flood."
8. Page 25, Hydrologic Model; 2<sup>nd</sup> paragraph, last sentence. "In Credit River, these conveyance paths lead to public ditches, creeks, or to one of the ~~make~~ many lakes, wetlands..."
10. Page 37, 5.11 Wetland Alterations, last sentence. ".....administer the Wetland Conservation Act within ~~the~~ its boundaries."

Thank you for the opportunity to review your Local Water Management Plan. If you have any questions regarding our comments, feel free to give me a call at 952-496-8887 or email mbokman@co.scott.mn.us.

Sincerely,



Melissa Bokman  
Sr. Water Resources Planner

Cc: Kate Sedlacek, Environmental Services Program Manager