



# Carver County Water Management Organization Citizen Advisory Committee

1. **Approval of November 29<sup>th</sup>, 2016 Agenda**
2. **Approval of October 25<sup>th</sup>, 2016 Minutes**
3. **Business Items**
  - a. Aquatic Invasive Species meeting review
  - b. Source Tracking
  - c. Water Management Plan Prioritizing and Input
4. **Information Items & Project Updates**
5. **Adjournment**

**Nov. 29<sup>th</sup>, 2016**

Carver County Government  
Center  
600 East 4<sup>th</sup> St. Chaska  
County Board Room

6:00 p.m. to 8:00 p.m.

## **Committee Mission**

Work with CCWMO staff to proactively make recommendations to the County Board on matters relating to water management including;

- projects and project prioritization
- Funding and water levy
- Water Plan, Groundwater Plan & Solid Waste Plan
- Water quality and TMDL program and projects
- Education program and projects
- Feasibility studies

MEETING OF THE  
CARVER COUNTY WATER MANAGEMENT ORGANIZATION ADVISORY COMMITTEE  
MEETING MINUTES  
Tuesday Oct. 25<sup>th</sup>, 2016

**COMMITTEE MEMBERS PRESENT**

<i>Carroll Aasen</i>	<i>Citizen, East &amp; West Chaska Creek</i>
<i>Mary Strother</i>	<i>Citizen, Bevans Creek</i>
<i>Thomas Welch</i>	<i>Citizen representing Commissioner District 2</i>
<i>Audrey Kramer</i>	<i>Citizen representing Commissioner District</i>
<i>Trevor Kruger</i>	<i>Citizen representing Commissioner District 4</i>
<i>Virgil Stender</i>	<i>Citizen representing Commissioner District 5</i>
<i>Hilary Drees</i>	<i>Benton Township</i>
<i>Chad Robbins</i>	<i>Citizen, Carver Creek</i>
<i>Doug Kammerer</i>	<i>Citizen, Crow River/Pioneer Creek</i>

**COMMITTEE MEMBERS ABSENT**

<i>Vacant</i>	<i>Citizen representing Commissioner District 1</i>
<i>Brent Arentz</i>	<i>City of Norwood Young America</i>
<i>Bill Bohnen</i>	<i>SWCD Board Member</i>

**STAFF PRESENT**

<i>Madeline Seveland</i>	<i>Carver County Planning &amp; Water Mgmt.</i>
<i>Kristen Larson</i>	<i>Carver County Planning &amp; Water Mgmt.</i>

**Meeting Minutes**

The meeting was called to order at 6:03p.m. by Chair Virgil Stender.

Aasen moved to approve the October 25<sup>th</sup> agenda. Strother seconded. Motion passed unanimously.  
Aasen moved to approve Sept 27<sup>th</sup> minutes. Welch seconded, Motion passed unanimously.

1. Business Items

• **Water Management Plan**

Kristen Larson presented the history and background of the Water Management Plan to the committee. The committee will soon begin the process to update the Water Management Plan for the next 10 years. The purpose of the plan is to identify water-related problems within the watershed and identify programs, projects, activities to address problems.

Background

- 1996 Carver County assumed water management responsibilities (planning, funding, regulation and implementation) for 6 inactive watershed in the County.
- 2001 adopted our first plan.
- CCWMO covers 320 square miles with 6 major watersheds and includes 64 lakes, 64 public water wetlands, 7 major streams and 15 public ditch systems.

Plan organization includes sections on land and water resources inventory, major issues, implementation program administration and appendices.

#### Major issues

- Surface Water Management
- Impaired Waters and TMDLs (
- Urban Stormwater Management (water rules permits, construction site inspections, CIP)
- Wetland Management (wetland conservation act, restoration projects)
- Agricultural Practices (feedlot program, technical assistance)
- Sanitary Sewer Discharge (SSTS permit program, direct discharge loan program)
- Upland Natural Resources (areas immediately adjacent to water resources, cost share program, conservation incentive zoning)
- Groundwater Management (updated groundwater plan, monitoring, atlas, well sealing program, private well test kits)
- Solid Waste (Environmental Center, Household Hazardous Waste Program)
- Monitoring and Assessment (lake, stream, stormwater, water quality report, source tracking analysis)

When we update our plan each cities within our boundaries have to update their local water management plan.

#### Next steps

- WMO Advisory Committee and Technical Advisory Committee role will include suggesting and prioritizing issues, prioritizing implementation activities, reviewing and commenting on draft plan, recommending draft plan to county board.

The November meeting we'll discuss issues and prioritization.

Strother inquired if the cost share program mentioned helped out with stream bank restoration projects. Larson responded no one has yet had applied for that type of project but yes it could.

Strother inquired how one would apply for that program. Larson responded to that the application is available online and that Charlie Sawdey manages the program and an individual could contact him as well.

Strother inquired if a developer was to take over a wetland if he or she would have to get permission from the neighbors. Larson responded that if they own the land, no, but they do have to follow state statutes. Developers are required to show that their design reduces impact to the wetland, if they do not, their application may be denied. There is currently no process in place for neighbor comments though.

Robbins ask for clarification or confirmation on the fact that if someone has to develop on a wetland they have to purchase wetland credits but they don't have to purchase them from the same location as the wetland that's being developed. Larson responded that some Counties have ordinances that required if a wetland is being developed within their boundaries the wetland mitigation must take place within their boundaries. However, the state of MN is divided into 15 watersheds so developers are required to purchase credits within the watershed of the

development. Larson stated that when she is working with wetland mitigation projects, she provides a list of banks from Carver County as first options.

Robbins stated that it would be nice as a regulatory board to show we support replacing wetlands, lost to development, within the County. Larson stated that would be a step for Nov. when the committee will be prioritizing issues for the Water Management Plan update.

Kramer inquired if we have many feedlots in Carver County that are a concern? Larson responded that there are a handful that have had issues but most are being managed appropriately.

Welch inquired if it would be possible for making rules related to the chapter on agricultural practices more stringent. Larson responded that yes we could talk about that also in November.

Kramer inquired what the committee was in charge of deciding. Larson stated that the Water Management Plan outline what we want to see, provides direction and shows that our advisory committee is on board. The creation of ordinances has to go through a second process, a public process similar to what we did with our water rules updates process.

Kramer inquired if we had a cost share program for feedlots. Kristen responded that currently did not but staff did try a pilot incentive program for manure management a while back.

Welch inquired if there during the planning process we identify the top three things really affecting water quality in Carver County. He would like more information on the different issues, costs and impact. Larson responded that staff would try to provide that information to the extent possible to help the committee make decisions about how to prioritize issues.

Strother commented that it seemed easier for water projects to completed with other government entities as opposed to individuals and inquired if there was a way reach more individuals if that is where the impact can be made. Larson responded that the plan identified a variety a strategies to reduce impacts to water.

- **Education Program Consensus Workshop**

Madeline Seveland facilitated a consensus workshop with committee members to answer the questions "How might we further our Education Program and messages?" The results are listed at the end of the document.

- **20th Anniversary Event**

Seveland informed the committee that the Nov. 2<sup>nd</sup> anniversary event at Schram's Winery was postponed. Staff is meeting to discuss reformatting the agenda and possibly holding it at Chaska Town Course in December.

The Science Museum WATER show is still happening on Saturday Nov. 4<sup>th</sup>. Both the Norwood Young America Times and Star Tribune plan to do stories on the show this week or next.

Meeting adjourned at 8:30pm

## Water Management Organization Advisory Committee

November 29<sup>th</sup>, 2016 Meeting

<b>Business Item</b>
<b><i>Aquatic Invasive Species (AIS) Program Update</i></b>
<b>Water Management Plan Related Goal</b>
1. Effectively and efficiently manage public capital expenditures needed to correct flooding and water quality problems;



### Summary:

The 2016 Aquatic Invasive Species watercraft inspection season ended Oct. 31. This item will provide an end-of-season update including inspection statistics, stakeholder forum discussion, and 2017 planning.

On Wednesday Nov. 16, the WMO held an AIS Stakeholder forum where about 20 individuals representing various groups involved with the County AIS program were invited to participate in a facilitated discussion regarding how to shape and/or improve the AIS program going into 2017. A brief summary of the forum will be presented.

### Discussion Points:

- 2016 inspection and decontamination statistics
- AIS stakeholder forum input and discussion

### Recommended WMOAC Committee Action:

- Provide input on topics discussed at AIS Stakeholder Forum

### Attachments:

## Water Management Organization Advisory Committee

November 29<sup>th</sup>, 2016 Meeting

### Business Item

#### *Microbial Source Tracking in Bevens and Carver Creeks*

### Water Management Plan Related Goal

Goal MON-1 To maintain a comprehensive, accurate assessment of surface and ground water quality trends over the long term and comply with all current and future TMDL's monitoring and assessment protocols. This data will used to compile trend analysis, assess BMP effectiveness, and complete TMDL studies.

### Summary:

In 2014, Carver County Water Management Organization field staff collected samples in Bevens and Carver Creeks for molecular analysis to determine sources of fecal contamination in each watershed. This Microbial Source Tracking (MST) methodology utilizes distinct Deoxyribonucleic Acid (DNA) target sequences present in the bacterial genus of *Bacteroides*, an obligate fecal anaerobe, to identify the bacterium's original host. This discussion will focus on the findings of research conducted.

### Discussion Points:

- Potential sources of fecal contamination in Carver County waterways
- Mitigating fecal loading to Carver County waterways utilizing source identification

### Recommended WMOAC Committee Action:

- No action required

### Attachments:

- none

## Water, Environment & Natural Resources Advisory Committee

November 29<sup>th</sup>, 2016 Meeting

<b>Business Item</b>
<b><i>CCWMO Rules Update – Committee Input</i></b>
<b>Water Management Plan Related Goal</b>
<p><b>Goal AD-1</b> Optimize the use of public resources in managing resources in the CCWMO.</p> <p><b>Policy AD-3</b> Maintain an up-to-date plan document by periodically amending the plan to incorporate newly completed studies, update the project list, etc.</p>

### **Summary:**

Staff will continue discussion of the upcoming update to the Carver County Water Management Organization (CCWMO) Watershed Management Plan. Staff will facilitate a discussion about water-related problems and potential solutions within the watershed. Staff will also present information on how the current plan is implemented and where resources (staff time, budget, etc.) are currently focused. Input provided by the committee at this meeting will help inform the updated Issues and Implementation sections of the plan.

### **Discussion Points:**

To help prepare for the facilitated discussion, you can do the following:

- Review the Plan Update section of the minutes from the October meeting which summarizes concerns brought up at that meeting
- Spend a few minutes thinking about the following questions:
  - What concerns do you have about lakes/streams/wetlands in the WMO?
  - What is working well to help protect lakes/streams/wetlands in the WMO?
  - What could we be doing better?

### **Recommended WENR Committee Action:**

- None (participation in discussion)

### **Attachments**

- None



## Carver County Water Management Advisory Committee

November 29<sup>th</sup>, 2016

### Information Items & Project Updates

#### **Education Program**

- Aquatic Invasive Species Program Stakeholder meeting took place on November 16<sup>th</sup> at the Chanhassen Library. Goal was to gather input from stakeholders on the current program to help shape the 2017 program.
- Madeline Seveland presented to 70 4<sup>th</sup> and 5<sup>th</sup> graders on November 3<sup>rd</sup> and 4<sup>th</sup> on stormwater, pollutants and raingardens.
- Madeline Seveland participated in a question and answer session with 2 classes of 4<sup>th</sup> graders from Chanhassen Elementary. The students were working on water themed projects and asked questions on aquatic invasive species, water conservation, salt water, pollutants and more.
- Madeline Seveland and Drew Dickhart participated in Bluff Creek Elementary's STEM Festival on November 17<sup>th</sup>. Their topic was aquatic invasive species. Students participated in the AIS Junior Inspector Activity and learned how to prevent the spread of AIS.
- The Science Museum of Minnesota came to Norwood Young America on November 5<sup>th</sup>. 61 people, 42 of them youth, came to watch and participate in the interactive show on water.

#### **WMO Project Updates**

##### ***Lake Burandt Reuse (Phase 2)***

*Funding source:* Clean Water Legacy (BWSR)

*Grant allocation:* \$200,000

*WMO Match:* \$50,000

*Background:* This is the second phase of the overall project of installing water reuse tanks for use by Waconia School District to irrigate adjacent ball fields. The scope of this phase is to install three water tanks, increasing holding capacity of the system to 15,900 cubic feet or roughly four nights of watering the football field. Tanks were installed and irrigation system is online and awaiting power hookup from Xcel energy.

*Update:* The school district hooked up pumping equipment in the spring the system was function in summer 2016. The City of Waconia rerouted phase II of stormwater reconstruction to the tanks.

### ***Streambank Exclusion***

*Funding source:* Clean Water Legacy (BWSR)

*Grant allocation:* \$40,000

*WMO Match:* \$20,000

*Background:* This program will provide incentive to cattle growers to remove cattle from the riparian corridor.

*Update:* One fencing project has been installed. WMO and SWCD staff have been in contact with other potential interested landowners and more detailed plans are being drawn up. Focus will transition to Carver Creek producers once Bevens Creek options are exhausted.

### ***Carver Clean Water Initiative***

*Funding source:* Clean Water Legacy (BWSR)

*Grant allocation:* \$150,000

*WMO Match:* \$70,000

*Background:* This initiative will provide businesses and non-profit organizations (non-governmental) up to \$25,000 in cost share to install clean water projects on their property.

*Update:* Pervious pavers at Iron Taphouse and HEI collision in downtown Waconia were successfully installed benefiting the water quality of Lake Waconia. An additional site in Waconia is being discussed with landowners. A school district 112 site near lake grace has been installed.

### ***Fountain Park Stormwater Retrofit***

*Funding source:* Clean Water Partnership (MPCA)

*Grant allocation:* \$75,000

*WMO Match:* \$90,000

*City of Waconia Match:* \$25,000

*Background:* Much of the city's stormwater infrastructure is dated, and several large developed areas downtown Waconia drain directly to the lake without treatment. Of particular concern, is an 11.19 acre area that drains to the Fountain Park Pond adjacent to Waconia City Hall. During a rain event the pond is dramatically overwhelmed providing little treatment. The proposed project aims to add substantial stormwater treatment capacity to the Fountain Park area by adding a suite of BMPs that will mitigate direct suspended solid and phosphorus loading to Lake Waconia. This project is part of a larger stormwater retrofit project in this area of the city. The WMO received a Clean Water Partnership Grant from MPCA in 2014 to defray \$75,000 of the total project cost.

*Update:* Project construction is approximately 90% complete. An additional \$18,000 was received from the State which will be used for installation of tree box treatment in fall of 2016.

### ***Mayer Wetland Restoration***

*Funding source:* City of Mayer  
*WMO CIP contribution:* \$50,000

*Background:* Project aims to restore a wetland area adjacent to Central Pond.

*Update:* Major work is complete. The County Board approved an extension to Dec 31, 2016 to cover the project permitting and weather delays.

***Benton Lake (Phase 2)***

*Funding source:* City of Cologne  
*WMO CIP contribution:* \$55,000

*Background:* Phase I was the installation of a fish barrier at the outlet of the lake, which will virtually eliminate the possibility of carp re-establishing within Benton Lake from Carver Creek.

*Update:* Staff discussed Phase II with the WMOAC committee in March 2016. Phase II will consist of rotenone during winter conditions. An additional meeting will be held with the city on Oct 3<sup>rd</sup>, 2016.

**2016 SSTS:**

*Funding source:* WMO  
*WMO contribution:* \$50,000

*Background:* This program incentivizes direct discharge SSTS systems in the Bevens/Carver creek TMDL watersheds and for first come-first serve volunteers CCWMO wide.

*Update:* The Board approved the 2016 program in April for the sub-watersheds Carver Creek W10, W12 priority and CC9 and CC11 as secondary.



## Carver County Water Management Organization Advisory Committee

### Upcoming Meetings

Date	Meeting Type	Business Items	Special Notes
<b>11/29/2016</b>	Regular	Aquatic Invasive Species Water Management Plan Source Tracking Data	
<b>12/27/16</b>	No meeting		
<b>1/31/2016</b>	Regular	Review Operating Rules	

### Others Events

