



Minnesota Pollution Control Agency

520 Lafayette Road North
St. Paul, MN 55155-4194

MS4 SWPPP Application for Reauthorization

for the NPDES/SDS General Small Municipal Separate Storm Sewer System (MS4) Permit MNR040000 reissued with an effective date of August 1, 2013 Stormwater Pollution Prevention Program (SWPPP) Document

Doc Type: Permit Application

Instructions: This application is for authorization to discharge stormwater associated with Municipal Separate Storm Sewer Systems (MS4s) under the National Pollutant Discharge Elimination System/State Disposal System (NPDES/SDS) Permit Program. No fee is required with the submittal of this application. Please refer to "Example" for detailed instructions found on the Minnesota Pollution Control Agency (MPCA) MS4 website at http://www.pca.state.mn.us/ms4.

Submittal: This MS4 SWPPP Application for Reauthorization form must be submitted electronically via e-mail to the MPCA at ms4permitprogram.pca@state.mn.us from the person that is duly authorized to certify this form. All questions with an asterisk (*) are required fields. All applications will be returned if required fields are not completed.

Questions: Contact Claudia Hochstein at 651-757-2881 or claudia.hochstein@state.mn.us, Dan Miller at 651-757-2246 or daniel.miller@state.mn.us, or call toll-free at 800-657-3864.

General Contact Information (*Required fields)

MS4 Owner (with ownership or operational responsibility, or control of the MS4)

*MS4 permittee name: Carver County *County: Carver
(city, county, municipality, government agency or other entity)
*Mailing address: 600 E 4th Street
*City: Chaska *State: MN *Zip code: 55318
*Phone (including area code): 952-361-1816 *E-mail: tsundby@co.carver.mn.us

MS4 General contact (with Stormwater Pollution Prevention Program [SWPPP] implementation responsibility)

*Last name: Sundby *First name: Tim
(department head, MS4 coordinator, consultant, etc.)
*Title: Environmentalist III
*Mailing address: 600 E 4th Street
*City: Chaska *State: MN *Zip code: 55318
*Phone (including area code): 952-361-1816 *E-mail: tsundby@co.carver.mn.us

Preparer information (complete if SWPPP application is prepared by a party other than MS4 General contact)

Last name: First name:
(department head, MS4 coordinator, consultant, etc.)
Title:
Mailing address:
City: State: Zip code:
Phone (including area code): E-mail:

Verification

- 1. I seek to continue discharging stormwater associated with a small MS4 after the effective date of this Permit, and shall submit this MS4 SWPPP Application for Reauthorization form, in accordance with the schedule in Appendix A, Table 1, with the SWPPP document completed in accordance with the Permit (Part II.D.). [X] Yes
2. I have read and understand the NPDES/SDS MS4 General Permit and certify that we intend to comply with all requirements of the Permit. [X] Yes

Certification (All fields are required)

- Yes - I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted.

I certify that based on my inquiry of the person, or persons, who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of civil and criminal penalties.

This certification is required by Minn. Stat. §§ 7001.0070 and 7001.0540. The authorized person with overall, MS4 legal responsibility must certify the application (principal executive officer or a ranking elected official).

By typing my name in the following box, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing my application.

Name: David Hemze
(This document has been electronically signed)

Title: County Administrator Date (mm/dd/yyyy): 12/23/2013

Mailing address: 600 E 4th Street

City: Chaska State: MN Zip code: 55318

Phone (including area code): 952-361-1526 E-mail: dhemze@co.carver.mn.us

Note: *The application will not be processed without certification.*

Stormwater Pollution Prevention Program Document

I. Partnerships: (Part II.D.1)

- A. List the **regulated small MS4(s)** with which you have established a partnership in order to satisfy one or more requirements of this Permit. Indicate which Minimum Control Measure (MCM) requirements or other program components that each partnership helps to accomplish (List all that apply). Check the box below if you currently have no established partnerships with other regulated MS4s. If you have more than five partnerships, hit the tab key after the last line to generate a new row.

No partnerships with regulated small MS4s

Name and description of partnership	MCM/Other permit requirements involved
City of Chaska; Provide educational materials and lead annual meetings for public comment on SWPPP documents	MCMs1,2
City of Chanhassen Provide educational materials and lead annual meetings for public comment on SWPPP documents	MCMs1,2

- B. If you have additional information that you would like to communicate about your partnerships with other regulated small MS4(s), provide it in the space below, or include an attachment to the SWPPP Document, with the following file naming convention: *MS4NameHere_Partnerships*.

II. Description of Regulatory Mechanisms: (Part II.D.2)

Illicit discharges

- A. Do you have a regulatory mechanism(s) that effectively prohibits non-stormwater discharges into your small MS4, except those non-stormwater discharges authorized under the Permit (Part III.D.3.b.)? Yes No

1. If **yes**:

- a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

Ordinance Contract language
 Policy/Standards Permits
 Rules
 Other, explain: _____

- b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

Direct link:

Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere_IDDEReg*.

2. If **no**:

Describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

Carver County Code of Ordinances will be updated to clearly prohibit non-stormwater discharges to the MS4 watercourses; define stormwater, non-stormwater, illicit discharge, and illicit connection; outline exemptions to the discharge prohibition; provide regulatory authority to conduct enforcement to stop an illicit discharge and require corrective actions; provide regulatory authority to access facilities for illicit discharge inspections and monitoring. Draft documentation for the Code will be completed by June 30th, 2014. County adoption will be completed by December 1st, 2014.

Construction site stormwater runoff control

A. Do you have a regulatory mechanism(s) that establishes requirements for erosion and sediment controls and waste controls? Yes No

1. If **yes**:

a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

- Ordinance Contract language
 Policy/Standards Permits
 Rules
 Other, explain: _____

b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

Chapter 153 Water Resource Management

Direct link:

http://www.co.carver.mn.us/departments/LWS/docs/153_Rules_120626.pdf

Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere_CSWreg*.

B. Is your regulatory mechanism at least as stringent as the MPCA general permit to Discharge Stormwater Associated with Construction Activity (as of the effective date of the MS4 Permit)? Yes No

If you answered **yes** to the above question, proceed to C.

If you answered **no** to either of the above permit requirements listed in A. or B., describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

C. Answer **yes** or **no** to indicate whether your regulatory mechanism(s) requires owners and operators of construction activity to develop site plans that incorporate the following erosion and sediment controls and waste controls as described in the Permit (Part III.D.4.a.(1)-(8)), and as listed below:

- | | |
|--|---|
| 1. Best Management Practices (BMPs) to minimize erosion. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 2. BMPs to minimize the discharge of sediment and other pollutants. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 3. BMPs for dewatering activities. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 4. Site inspections and records of rainfall events | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 5. BMP maintenance | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Management of solid and hazardous wastes on each project site. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 7. Final stabilization upon the completion of construction activity, including the use of perennial vegetative cover on all exposed soils or other equivalent means. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 8. Criteria for the use of temporary sediment basins. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

Post-construction stormwater management

A. Do you have a regulatory mechanism(s) to address post-construction stormwater management activities?

Yes No

1. If **yes**:

a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

- Ordinance Contract language
 Policy/Standards Permits
 Rules
 Other, explain: _____

b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

Carver County Code of Ordinances Chapter 153

Carver County Code of Ordinances Chapter 153, Appendix A: Volume and Water Quality Calculations

Carver County Code of Ordinances Chapter 153, Appendix B: Maintenance

Carver County BMP Guidelines & Details

Carver County Application for Water Management Rules Compliance .

Direct link:

http://www.co.carver.mn.us/departments/LWS/docs/153_Rules_120626.pdf

http://www.co.carver.mn.us/departments/LWS/docs/153_Rules_App_A_120626.pdf

http://www.co.carver.mn.us/departments/LWS/docs/153_Rules_App_B_120626.pdf

http://www.co.carver.mn.us/departments/LWS/docs/130301_BMP_Guidelines.pdf

http://www.co.carver.mn.us/departments/LWS/docs/120801_CCWMO_Application.pdf

Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere_PostCSWreg*.

B. Answer **yes** or **no** below to indicate whether you have a regulatory mechanism(s) in place that meets the following requirements as described in the Permit (Part III.D.5.a.):

1. **Site plan review:** Requirements that owners and/or operators of construction activity submit site plans with post-construction stormwater management BMPs to the permittee for review and approval, prior to start of construction activity. Yes No

2. **Conditions for post construction stormwater management:** Requires the use of any combination of BMPs, with highest preference given to Green Infrastructure techniques and practices (e.g., infiltration, evapotranspiration, reuse/harvesting, conservation design, urban forestry, green roofs, etc.), necessary to meet the following conditions on the site of a construction activity to the Maximum Extent Practicable (MEP):

a. For new development projects – no net increase from pre-project conditions (on an annual average basis) of: Yes No

- 1) Stormwater discharge volume, unless precluded by the stormwater management limitations in the Permit (Part III.D.5.a(3)(a)).
- 2) Stormwater discharges of Total Suspended Solids (TSS).
- 3) Stormwater discharges of Total Phosphorus (TP).

b. For redevelopment projects – a net reduction from pre-project conditions (on an annual average basis) of: Yes No

- 1) Stormwater discharge volume, unless precluded by the stormwater management limitations in the Permit (Part III.D.5.a(3)(a)).
- 2) Stormwater discharges of TSS.
- 3) Stormwater discharges of TP.

3. **Stormwater management limitations and exceptions:**

a. Limitations

- 1) Prohibit the use of infiltration techniques to achieve the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)) when the infiltration structural stormwater BMP will receive discharges from, or be constructed in areas:
 - a) Where industrial facilities are not authorized to infiltrate industrial stormwater under an NPDES/SDS Industrial Stormwater Permit issued by the MPCA. Yes No

- b) Where vehicle fueling and maintenance occur.
 - c) With less than three (3) feet of separation distance from the bottom of the infiltration system to the elevation of the seasonally saturated soils or the top of bedrock.
 - d) Where high levels of contaminants in soil or groundwater will be mobilized by the infiltrating stormwater.
- 2) Restrict the use of infiltration techniques to achieve the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)), without higher engineering review, sufficient to provide a functioning treatment system and prevent adverse impacts to groundwater, when the infiltration device will be constructed in areas:
- a) With predominately Hydrologic Soil Group D (clay) soils.
 - b) Within 1,000 feet up-gradient, or 100 feet down-gradient of active karst features.
 - c) Within a Drinking Water Supply Management Area (DWSMA) as defined in Minn. R. 4720.5100, subp. 13.
 - d) Where soil infiltration rates are more than 8.3 inches per hour.
- 3) For linear projects where the lack of right-of-way precludes the installation of volume control practices that meet the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)), the permittee's regulatory mechanism(s) may allow exceptions as described in the Permit (Part III.D.5.a(3)(b)). The permittee's regulatory mechanism(s) shall ensure that a reasonable attempt be made to obtain right-of-way during the project planning process.
4. **Mitigation provisions:** The permittee's regulatory mechanism(s) shall ensure that any stormwater discharges of TSS and/or TP not addressed on the site of the original construction activity are addressed through mitigation and, at a minimum, shall ensure the following requirements are met:
- a. Mitigation project areas are selected in the following order of preference:
 - 1) Locations that yield benefits to the same receiving water that receives runoff from the original construction activity.
 - 2) Locations within the same Minnesota Department of Natural Resource (DNR) catchment area as the original construction activity.
 - 3) Locations in the next adjacent DNR catchment area up-stream
 - 4) Locations anywhere within the permittee's jurisdiction.
 - b. Mitigation projects must involve the creation of new structural stormwater BMPs or the retrofit of existing structural stormwater BMPs, or the use of a properly designed regional structural stormwater BMP.
 - c. Routine maintenance of structural stormwater BMPs already required by this permit cannot be used to meet mitigation requirements of this part.
 - d. Mitigation projects shall be completed within 24 months after the start of the original construction activity.
 - e. The permittee shall determine, and document, who will be responsible for long-term maintenance on all mitigation projects of this part.
 - f. If the permittee receives payment from the owner and/or operator of a construction activity for mitigation purposes in lieu of the owner or operator of that construction activity meeting the conditions for post-construction stormwater management in Part III.D.5.a(2), the permittee shall apply any such payment received to a public stormwater project, and all projects must be in compliance with Part III.D.5.a(4)(a)-(e).
5. **Long-term maintenance of structural stormwater BMPs:** The permittee's regulatory mechanism(s) shall provide for the establishment of legal mechanisms between the permittee and owners or operators responsible for the long-term maintenance of structural stormwater BMPs not owned or operated by the permittee, that have been implemented to meet the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)). This only includes structural stormwater BMPs constructed after the effective date of this permit and that are directly connected to the permittee's MS4, and that are in the permittee's jurisdiction. The legal mechanism shall include provisions that, at a minimum:
- a. Allow the permittee to conduct inspections of structural stormwater BMPs not owned or operated by the permittee, perform necessary maintenance, and assess costs for those structural stormwater BMPs when the permittee determines that the owner and/or operator of that structural stormwater BMP has not conducted maintenance.
 - b. Include conditions that are designed to preserve the permittee's right to ensure maintenance responsibility, for structural stormwater BMPs not owned or operated by the permittee, when those responsibilities are legally transferred to another party.
 - c. Include conditions that are designed to protect/preserve structural stormwater BMPs and

site features that are implemented to comply with the Permit (Part III.D.5.a(2)). If site configurations or structural stormwater BMPs change, causing decreased structural stormwater BMP effectiveness, new or improved structural stormwater BMPs must be implemented to ensure the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)) continue to be met.

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within twelve (12) months of the date permit coverage is extended, these permit requirements are met:

2.a.1 - Carver County will review and update rule and ordinance language by the end of 2014 to satisfy the 1" requirement by the end of 2014.

3.a.1 - Carver County will update language to include specific reference to prohibiting the use of infiltration practices within areas as described in this section by the end of 2014.

3.a.2 - Carver County will include language to restrict infiltration practices in areas outlined in this section by the end of 2014.

3.a.3 - Carver County will update language to outline exceptions to linear projects that lack right-of-way to allow for installation of volume control practices as defined within in the Permit (Part III.D.5.a(3)(b)) by the end of 2014.

4.b - Carver County will include mitigation provisions that outline that mitigation projects must involve the creation of new structural stormwater BMPs or retrofitting existing structural stormwater BMPs, or the use of a properly designed regional structural stormwater BMP into County rules and ordinances by the end of 2014.

4.c - Carver County will include mitigation provisions that state that routine maintenance of structural stormwater BMPs cannot be used to meet mitigation requirements as outlined in this section within County rules and ordinances by the end of 2014.

4.d - Carver County will update rules and ordinances to state that mitigation projects must be completed within 24 months after the start of the original construction activity by the end of 2014.

4.f - Carver County Ordinances do not allow for any payment in lieu of treatment, thus this requirement is currently met.

5.a - Carver County will include provisions in any joint powers agreements with LGU's to will allow the County to conduct inspections, perform necessary maintenance, and assess costs for those structural stormwater BMPs when the County determines that the owner and/or operator of that structural stormwater BMP has not conducted maintenance, with the new language to be completed by the end of 2014.

5.b - Carver County will include provisions in any joint powers agreements with LGU's to allow the County to preserve the right to ensure maintenance responsibility when those responsibilities are legally transferred to another party, with the new language to be completed by the end of 2014.

5.c - Conditions will be included in any joint powers agreement that are designed to protect/preserve structural stormwater BMPs and site features installed to comply with the Permit, with the new language to be completed by the end of 2014.

III. Enforcement Response Procedures (ERPs): (Part II.D.3)

A. Do you have existing ERPs that satisfy the requirements of the Permit (Part III.B.)? Yes No

1. If **yes**, attach them to this form as an electronic document, with the following file naming convention: *MS4NameHere_ERPs*.

2. If **no**, describe the tasks and corresponding schedules that will be taken to assure that, with twelve (12) months of the date permit coverage is extended, these permit requirements are met:

Carver County does not have ERPs established or correctly established for MCM3, MCM4, or MCM5. By the end of 2014, all ERPs will be correctly established for Carver County.

B. Describe your ERPs:

Carver County currently uses ERPs in a variety of instances. However, the County does not have ERPs for every situation and will be completing those over the course of 12 months to satisfy the requirements of this permit. As of right now, the County has ERPs for MCM3 and MCM4. Within MCM3, ERPs are being used for SSTS, Feedlots, Hazardous Generators, and Hazardous Spills on County Highways. For MCM4, ERPs are used for Sediment and Erosion Control. Most of these forms have been produced by the MPCA and been adopted by the County to serve as a template.

IV. Storm Sewer System Map and Inventory: (Part II.D.4.)

A. Describe how you manage your storm sewer system map and inventory:

The storm sewer system map is maintained by the Carver County Survey Division, with yearly updates to the map performed by County Survey Crews.

B. Answer **yes** or **no** to indicate whether your storm sewer system map addresses the following requirements from the Permit (Part III.C.1.a-d), as listed below:

- 1. The permittee's entire small MS4 as a goal, but at a minimum, all pipes 12 inches or greater in diameter, including stormwater flow direction in those pipes. Yes No
- 2. Outfalls, including a unique identification (ID) number assigned by the permittee, and an associated geographic coordinate. Yes No
- 3. Structural stormwater BMPs that are part of the permittee's small MS4. Yes No
- 4. All receiving waters. Yes No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

B.1 - All pipes 12 inches or greater in diameter, including stormwater flow direction in those pipes will be mapped and stored and managed in the County's GIS system by the end of 2014.

B.2 - All outfalls will be assigned a unique identification number with associated geographical coordinates by Carver County Staff by the end of 2014.

B.3 - Any structural stormwater BMPs that are part of Carver County's MS4 coverage area will be mapped by the end of 2014.

B.4 - Mapping will include any and all receiving waters that stormwater is discharging to by the end of 2014.

C. Answer **yes** or **no** to indicate whether you have completed the requirements of 2009 Minnesota Session Law, Ch. 172. Sec. 28: with the following inventories, according to the specifications of the Permit (Part III.C.2.a.-b.), including:

- 1. All ponds within the permittee's jurisdiction that are constructed and operated for purposes of water quality treatment, stormwater detention, and flood control, and that are used for the collection of stormwater via constructed conveyances. Yes No
- 2. All wetlands and lakes, within the permittee's jurisdiction, that collect stormwater via constructed conveyances. Yes No

D. Answer **yes** or **no** to indicate whether you have completed the following information for each feature inventoried.

- 1. A unique identification (ID) number assigned by the permittee. Yes No
- 2. A geographic coordinate. Yes No
- 3. Type of feature (e.g., pond, wetland, or lake). This may be determined by using best professional judgment. Yes No

If you have answered **yes** to all above requirements, and you have already submitted the Pond Inventory Form to the MPCA, then you do not need to resubmit the inventory form below.

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

C.1 - All ponds within Carver County MS4 coverage area and under Carver County jurisdiction that are constructed and operated for purposes of water quality treatment, stormwater detention, and flood control, and that are used for the collection of stormwater via constructed conveyances will be inventoried by the end of 2014.

C.2 - All wetlands and lakes that collect stormwater via constructed conveyances within Carver County's MS4 coverage area and jurisdiction will be inventoried by the end of 2014.

D.1 - Unique ID numbers will be assigned by Carver County to all unique features within the MS4 coverage area by the end of 2014.

D.2 - Geographical coordinates will be assigned to each unique feature by Carver County within the MS4 coverage area by the end of 2014.

D.3 - Designation of type of feature by Carver County to all unique features within the MS4 coverage area by the end of 2014.

E. Answer **yes** or **no** to indicate if you are attaching your pond, wetland and lake inventory to the MPCA on the form provided on the MPCA website at: <http://www.pca.state.mn.us/ms4>, according to the specifications of Permit (Part III.C.2.b.(1)-(3)). Attach with the following file naming convention: *MS4NameHere_inventory*. Yes No

If you answered **no**, the inventory form must be submitted to the MPCA MS4 Permit Program within 12 months of the date permit coverage is extended.

V. Minimum Control Measures (MCMs) (Part II.D.5)

A. MCM1: Public education and outreach

1. The Permit requires that, within 12 months of the date permit coverage is extended, existing permittees revise their education and outreach program that focuses on illicit discharge recognition and reporting, as well as other specifically selected stormwater-related issue(s) of high priority to the permittee during this permit term. Describe your **current** educational program, including **any high-priority topics included**:

Carver County's current education program exists to provide those living, working, and recreating in Carver County with the knowledge, skills and motivation required to ensure protection and improvement of the County's surface water and groundwater resources. An educational plan is designed annually by the education coordinator with input from staff and the Water, Environment and Natural Resource Committee. The plan is divided into four target audiences: home/land owners, local decision makers, staff, and K12 students. For each target audience, we use a variety of tools and programs to meet education needs. A few examples include our monthly water column published in 5 newspapers around the county, online newsletters, k12 education program such as the Wetlands Education Program for 6th graders and the Metro Area Children's Water Festival for 4th graders, presentations for city councils and planning commission through NEMO (non-point source education for municipal officials), our annual stormwater workshop and county fair booth, raingarden workshops, and targeted mailings to home/land owners. High priority topics include leaves and grass clippings, streets drain to waterways, pet waste, and watershed changes with landuse changes.

2. List the categories of BMPs that address your public education and outreach program, including the distribution of educational materials and a program implementation plan. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the U.S. Environmental Protection Agency's (EPA) *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Regular News Releases	Carver County will publish educational news articles on a bi-monthly basis to the online CCWMO newsletter and will be tracked by the number of water education materials published on the website; releases to area newspapers and media outlets on an as needed priority with a minimum of four articles annually and tracked by the number of press releases and articles submitted annually; and other print materials that are aimed at a broad audience that will be project based, tracked by the number of pamphlets created and distributed with names and titles of the brochures documented.
Shoreland Education Program	Carver County will coordinate education programs for citizens in targeted watersheds of lakes. The BMPs addressed will include nutrient use, stormwater control and vegetation management. This program may also include the existing U of MN Volunteer Stream Monitoring Partnership and the Shoreland Education Program Workshops.
TMDL Education Program	Carver County is in the process of developing TMDL's for area lakes and streams. A portion of the proposed implementation plan includes an education program that partially relies on distribution of materials to focused landowner groups (eg. Lakeshore owners, agricultural producers in critical watersheds). The approval by the MPCA and any changes to proposed implementation plans will affect the timing and scope of these TMDL efforts.
Metro Children's Water Festival	Carver County is the lead for coordination of and make available to schools in Carver County, this interactive, water educational program. The Metro Children's Water Festival, held every September, provides interactive learning for students and teachers about the value, management and conservation of water resources.
Metro Media Education Campaign	Carver County will provide delivery of education in various formats in regards to Urban Best Management Practices. Areas of focus will include zero/low phosphorus fertilizer use and implications, individual home lot stormwater BMPs and other efforts focused on individual homeowners, and street drain to waterways. Carver County will participate in this effort with the

	Metro Watershed Partners.
Wetlands Education Program	Carver County and its local partners will coordinate an outdoor, hands-on, interactive water and natural resource education program for 6 th grade students in the county.
Web Site	Carver County will maintain a portion of its website for the notice and distribution of educational news articles, links, etc that are aimed at a broad audience. These materials could include educational material related to any of the BMP's that need a public audience.
Water, Environment and Natural Resources citizen advisory committee	The citizen advisory committee was established for the development and implementation of the Carver county Water Management Plan. Members are appointed by County Commissioners and serve for 3 years. The committee meets quarterly with subcommittees meeting more often. All meetings are open to the public. The Carver County SWPPP will be addressed at a committee meeting annually. County policies for public notice will be followed. The WENR Committee met six times last year and will continue to hold six meetings every year.
Update Carver County Water Management Plan	The plan was updated in 2010 and added a capital improvement plan, addressed TMDL and NPDES issues and included suggestions from the Water, Environment and Natural Resources committee, the County Board, citizens, and LGUs.
Carver County Fair	Develop an interactive fair booth to educate and inform citizens of Carver County on a wide range of water related topics. The booth will consist of interactive displays, brochures, flyers, and posters and will be staffed during the majority of the annual fair.
Construction Site Run-off Control	Carver County will conduct an annual workshop to educate local officials and industry professionals and contractors based on the County Water Management Rules and Guidelines. Carver County will continue to support the U of MN Construction Site Erosion and Sediment Control Certification Program as a means to address needs under this BMP. One-on-one consulting, site inspections, and development review process provides avenues for education of these issues as well.
Illicit Discharge Detection and Elimination	Workshops, open houses, and public forums associated with education of water and natural resource protection and improvement often begin with building knowledge associated with the detection of the problem(s). In addition, regular press releases, the County newsletter, and participation in the Metro Media Campaign will address the topics of detection and recognition of illicit discharge and what to do about it.
Post-Construction Stormwater Management in New Development and Redevelopment	<p>In addition to similar to efforts in pre-construction site run-off control education and outreach (Stormwater & Construction Site Erosion Control Workshop), Carver County will conduct an annual workshop to educate local officials and industry professionals & contractors based on the County Water Management Rules and Guidelines. The Carver County Water Rules (for stormwater management, construction site erosion control, and sediment control are attached in an appendix). Carver County has (and will continue) to support the workshops offered through the U of MN Construction Erosion and Sedimentation Certification Program. The County also addresses these needs through one-on-one consulting and site inspections. Site inspections by SWCD and County Staff throughout the development process and until the site has been closed, offer opportunities for continued education and outreach. In addition, the "development review process" the County has established (see the appendix) provides a avenue for education to those directly involved.</p> <p>The county continues to use media sources for education related to construction site erosion control education, including news releases, publication of information in the County and SWCD newsletters, and through participation in the metro media campaign (and promotion of its resources through the web.)</p>

	Public education and outreach through the avenues listed above provide methods of addressing post construction and redevelopment needs. Permitting processes already in place allow for the County to address stormwater management in redevelopment instances.
	Tours and demonstrations have (and will continue to be) a tool for addressing education and outreach.
Pollution Prevention/Good Housekeeping for Municipal Operations	In addition to similar to efforts in pre / post-construction site runoff control education and outreach (Stormwater & Construction Site Erosion Control Workshops), Carver County will conduct an annual workshop to educate local officials and industry professionals & contractors based on the County Water Management Rules and Guidelines. The Carver County Water Rules (for stormwater management, construction site erosion control, and sediment control are attached in an appendix). This environment allows for the education of other items related to this BMP. The County continues to participate and provide in the Metro Media Campaign which in part, provides resources for pollution prevention and good housekeeping for municipal operations. The County uses these resources for general outreach to the public as well.

BMP categories to be implemented	Measurable goals and timeframes
Annual Public Meeting	Carver County will hold an annual meeting at its 1st meeting of the year with the Water, Environment, and Natural Resources Citizen Advisory Committee. Notice for this meeting will be on the County Web Site. A follow up annual report public meeting will be held at the County Board. WENR -Water, Environment, and Natural Resources Citizen Advisory Committee - The WENR was established for the development and implementation of the Carver County Water Management Plan. Members are appointed by County Commissioners and serve for 3 years. The committee meets quarterly with subcommittees meeting more often. All meetings are open to the public. The Carver County SWPPP will be addressed at a committee meeting annually. County policies for public notice will be followed.
Program Evaluation	During the annual review, materials used during the year will be researched to find out which ones were the best and which ones will need to be revised.
KAP Studies	Will determine target audiences and evaluate the need for KAP studies by the end of 2017

3. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Madeline Seveland - Education Coordinator

B. MCM2: Public participation and involvement

1. The Permit (Part III.D.2.a.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement a public participation/involvement program to solicit public input on the SWPPP. Describe your current program:

Carver County holds an annual SWPPP meeting at a regularly scheduled WENR committee meeting that is open to the public to present and discuss the County's SWPPP. Notice is given to the Carver County Board Public Hearing 10 days in advance.

2. List the categories of BMPs that address your public participation/involvement program, including solicitation and documentation of public input on the SWPPP. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). **If you have more than five categories**, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Comply with Public Notice Requirements	Carver County will hold an annual meeting at its 1st meeting of the year with the Water, Environment, and Natural Resources Citizen Advisory (WENR) Committee. Notice for this meeting will be on the County Web Site. The Carver County SWPPP will be addressed at a WENR committee meeting annually. County policies for public notice will be followed.
Solicit Public Input and Opinion on the Adequacy of the SWPPP	Public will be able to comment on the Carver County SWPPP during the annual meeting and anytime through the Carver County Website or in writing.
Consider Public Input	Comments will be considered by the WENR committee at the annual meeting and at follow up meetings if necessary. Staff will discuss comments at monthly interagency meetings prior to bringing back to WENR committee if needed.
BMP categories to be implemented	Measurable goals and timeframes
Online Availability of Stormwater Pollution Prevention Program Document	Provide an electronic document of Stormwater Pollution Prevention Program document online, to allow anytime, easier access to these documents

3. Do you have a process for receiving and documenting citizen input? Yes No

If you answered **no** to the above permit requirement, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

4. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Paul Moline - Planning and Water Management Department Manager

C. MCM 3: Illicit discharge detection and elimination

1. The Permit (Part III.D.3.) requires that, within 12 months of the date permit coverage is extended, existing permittees revise their current program as necessary, and continue to implement and enforce a program to detect and eliminate illicit discharges into the small MS4. Describe your current program:

Environmental Services staff inspects industrial and commercial facilities that are known hazardous waste generators. Priorities are set by the amount of hazardous waste generated by a facility. Large Quantity Generators are inspected once per year. Small Quantity Generators are generally inspected once every three years. A standardized form is used. The inspection includes checking storage and generation areas for obvious leaks, spills, and discharges. Violations are noted on the inspection form and compliance schedules established with the generator. The County Attorney's Office, the MN Pollution Control Agency, and the US Environmental Protection Agency would be notified of major violations and/or discharges and spills.

Carver County Staff also respond to a variety of illicit discharges, ranging from a failing septic system discharging to a conveyance, to hazardous waste spills on County Highways. Staff respond to either direct citizen complaint or staff documentation with procedures to ensure that the illicit discharge is removed.

2. Does your Illicit Discharge Detection and Elimination Program meet the following requirements, as found in the Permit (Part III.D.3.c-g.)?

- a. Incorporation of illicit discharge detection into all inspection and maintenance activities conducted Yes No under the Permit (Part III.D.6.e-f.) Where feasible, illicit discharge inspections shall be conducted

during dry-weather conditions (e.g., periods of 72 or more hours of no precipitation).

- b. Detecting and tracking the source of illicit discharges using visual inspections. The permittee may also include use of mobile cameras, collecting and analyzing water samples, and/or other detailed procedures that may be effective investigative tools. Yes No
- c. Training of all field staff, in accordance with the requirements of the Permit (Part III.D.6.g.(2)), in illicit discharge recognition (including conditions which could cause illicit discharges), and reporting illicit discharges for further investigation. Yes No
- d. Identification of priority areas likely to have illicit discharges, including at a minimum, evaluating land use associated with business/industrial activities, areas where illicit discharges have been identified in the past, and areas with storage of large quantities of significant materials that could result in an illicit discharge. Yes No
- e. Procedures for the timely response to known, suspected, and reported illicit discharges. Yes No
- f. Procedures for investigating, locating, and eliminating the source of illicit discharges. Yes No
- g. Procedures for responding to spills, including emergency response procedures to prevent spills from entering the small MS4. The procedures shall also include the immediate notification of the Minnesota Department of Public Safety Duty Officer, if the source of the illicit discharge is a spill or leak as defined in Minn. Stat. § 115.061. Yes No
- h. When the source of the illicit discharge is found, the permittee shall use the ERPs required by the Permit (Part III.B.) to eliminate the illicit discharge and require any needed corrective action(s). Yes No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

C.2.a. - Any inspection and maintenance activities done by Carver County Staff in and around infrastructure within the MS4 coverage area and owned and operated by the County will include illicit discharge detection and will be included in standard operating procedures by the end of 2014

C.2.d. - As outlined in C.3, Carver County Staff will prioritize key areas within Carver County MS4 coverage area that includes infrastructure that is owned and operated by the County by the end of 2014.

C.2.h. - ERPs will be produced and used, as well as a formal standard operating procedure, for any illicit discharge that is found in the County's MS4 coverage area and will be in place by the end of 2014.

3. List the categories of BMPs that address your illicit discharge, detection and elimination program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Storm Sewer System Map	Carver County will create a map of the County owned storm water conveyance system, including the County owned highways and parks. The County will coordinate the mapping of the system with cities and townships within the County. The County is relying heavily on the LGU's in the MS4 area as they makeup almost all of the stormsewer infrastructure. Surfaces of some County roads have stormsewer, not all is maintained by the City.
Pursue and obtain financial assistance opportunities for ISTS owners.	There are several possible sources of financial assistance available for owners of ISTSs. The main source of funding is the Revolving Loan Fund administered by the County with start-up funds from the Department of Agriculture. The Carver SWCD also allocates funds for ISTS upgrades. The County will pursue additional funding for owners as opportunities arise. Implementation of this program is included in the overall Illicit Discharge Detection and Elimination Plan.
Used Oil Recycling	Carver County will provide opportunities for used oil recycling to residents throughout the county. Implementation of this program is included in the overall Illicit Discharge Detection and Elimination Plan.
Public and Employee Illicit Discharge Information Program	The County will provide its staff information and training on preventing storm water pollution in their work area at the time of their initial assignment.

	<p>Staff will be informed of: 1)The requirements of the Storm Water Pollution Prevention Plan. 2)Any operations in their work area which present potential pollution problems. 3)The location and availability of the Storm Water Pollution Prevention Plan.</p> <p>Staff will be trained in: 1)The Storm Water Pollution Prevention Plan details, including an explanation of the appropriate information necessary for prevention of spills and leaks. 2)Observation of erosion or stressed vegetation that would indicate migration of substances off-site.</p>
	<p>Carver County will achieve compliance with Part V.G.4.c. of the MS4 Phase II permit regarding requirements for construction site waste through enforcing Part A.2 of Chapter 50.009 of Title V of the Carver County Code of Ordinances containing Disposal Requirements of Solid Waste. These Requirements state (in part):</p> <p style="padding-left: 40px;">All disposal of solid waste must be in accordance with applicable county ordinances and Agency rules. No person may dispose of a waste at an area or a facility which is not licensed for accepting that waste.</p> <p>In addition, Carver County will amend the following sentence currently in Part VII.A.4.m of the Carver County Water Resource Management Area Rules: (m.) Dumping or disposal of construction materials in waters of the state is not permitted. with the following sentence from Part IV.F.1 the NPDES Phase II Construction permit:</p> <p style="padding-left: 40px;">1. Solid waste: Collected sediment, asphalt and concrete millings, floating debris, paper, plastic, fabric construction and demolition debris and other wastes must be disposed of properly and comply with Minnesota Pollution Control Agency regulations.</p> <p>Implementation of this program is included in the overall Illicit Discharge Detection and Elimination Plan and will identify non stormwater discharges and flows.</p>
Waste Controls for Construction Site Operators	
Regulation of Individual Sewage Treatment Systems (ISTS)	<p>In accordance with the Water Management Plan, Carver County will implement and enforce the existing ISTS ordinance. This ordinance regulates the design, location, installation, construction, alteration, extension, repair and maintenance of ISTSs. The ordinance includes a "point-of-sale" provision which requires that ISTSs must be inspected and, if necessary, repaired when the property is sold. Implementation of this program is included in the overall Illicit Discharge Detection and Elimination Plan and will identify non stormwater discharges and flows.</p>
Implement ISTS Monitoring Program	<p>The monitoring system is incorporated with the County Property Information System which the County will maintain. The County will distribute ISTS pumping notices on a continual 3 year schedule with one-third of owners notified each year. Implementation of this program is included in the overall Illicit Discharge Detection and Elimination Plan and will identify non stormwater discharges and flows.</p>
Illegal Solid Waste Dumping	<p>Carver County will enforce the existing Solid Waste Ordinance including the illegal dumping provision. The County will respond to illegal dumping when alerted by submissions on its website or by calls to a toll-free number. The County will also provide cost-share to homeowners cleaning up illegal dumps on private property. Implementation of this program is included in the overall Illicit Discharge Detection and Elimination Plan and will identify non stormwater discharges and flows.</p>
Implement Hazardous Waste Ordinance Monitor & Inspect Feedlots	<p>Carver County will implement its Hazardous Waste Ordinance which addresses hazardous waste generation from businesses to ensure proper management of hazardous waste. Implementation of this program is included in the overall Illicit Discharge Detection and Elimination Plan and will identify non stormwater discharges and flows.</p> <p>Carver County will continue to monitor and inspect feedlots to</p>

	insure compliance with the existing feedlot ordinance and to minimize potential surface water pollution. Implementation of this program is included in the overall Illicit Discharge Detection and Elimination Plan and will identify non stormwater discharges and flows.
Administer Community Grant Program	Carver County will provide grant funds to cities and townships in the County to be used for Community Clean-up Days or similar activities.
Monitor Water Quality	Carver County will conduct regular water quality monitoring. Ecoregion standards will be used to compare stream data collected with ranges that are expected within the Carver County Water Resource Management Area (CCWRMA). Various simple methods will be used to assess the quality of lakes with the CCWRMA. Implementation of this program is included in the overall Illicit Discharge Detection and Elimination Plan and will identify non stormwater discharges and flows.
BMP categories to be implemented	Measurable goals and timeframes
Pond, wetland, and lake Inventory	By the end of 2014, Carver County will have identified all lakes, ponds, and wetlands in the MS4 that receives stormwater from infrastructure owned and operated by Carver County
Priority Areas	Carver County Staff will identify priority areas to inform future inspections from past incidents by the end of 2014
Inspections	Annual inspections of all outfalls in Carver County MS4 permit coverage area that is owned and operated by the county. Semi-annual inspections will occur in areas that have been identified as part of the Priority Areas BMP category. Inspections will include illicit discharge detection.
Illicit Discharge Citizen Reporting	Will establish an avenue of communication for residents in Carver County to get in touch with either the County or in the Cities that they live in. This will include a link on the county website and a hotline.
Written ERPs	All ERPs will be either updated to be compliant with the MS4 permit or developed if lacking by the end of 2014.
Storm Sewer System Map	By the end of 2014, Carver County will map all pipes 12 inches and greater within the MS4 coverage area and in County jurisdiction, as well as all BMPs will be mapped with associated unique ID numbers and geographical coordinates.

4. Do you have procedures for record-keeping within your Illicit Discharge Detection and Elimination (IDDE) program as specified within the Permit (Part III.D.3.h.)? Yes No

If you answered **no**, indicate how you will develop procedures for record-keeping of your Illicit Discharge, Detection and Elimination Program, within 12 months of the date permit coverage is extended:

Carver County Staff will create a mapping application within the County's GIS system to geographically pinpoint illicit discharges and fill out the accompanying forms to include all required documentation that is outlined in Part III.D.3.h of the NPDES Permit by the end of 2014.

All ERPs will be either updated to be compliant with the MS4 permit or developed if lacking by the end of 2014.

5. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Paul Moline - Planning and Water Management Department Manager for the Storm Sewer System Map

Mike Lien - Environmental Services Manager for the rest of the program

D. MCM 4: Construction site stormwater runoff control

1. The Permit (Part III.D.4) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement and enforce a construction site stormwater runoff control program. Describe your current program:

We have a permit application required for any construction site that disturbs 1 acre or more. We require review of construction site erosion and sediment control (ESC) plans before projects begin, and work with contractors to ensure

appropriate and correct use of erosion and sediment control BMPs on site. We partner with the Carver County Soil and Water Conservation District with a contract to perform our construction site ESC inspections.

2. Does your program address the following BMPs for construction stormwater erosion and sediment control as required in the Permit (Part III.D.4.b.):
- a. Have you established written procedures for site plan reviews that you conduct prior to the start of construction activity? Yes No
 - b. Does the site plan review procedure include notification to owners and operators proposing construction activity that they need to apply for and obtain coverage under the MPCA's general permit to *Discharge Stormwater Associated with Construction Activity No. MN R100001*? Yes No
 - c. Does your program include written procedures for receipt and consideration of reports of noncompliance or other stormwater related information on construction activity submitted by the public to the permittee? Yes No
 - d. Have you included written procedures for the following aspects of site inspections to determine compliance with your regulatory mechanism(s):
 - 1) Does your program include procedures for identifying priority sites for inspection? Yes No
 - 2) Does your program identify a frequency at which you will conduct construction site inspections? Yes No
 - 3) Does your program identify the names of individual(s) or position titles of those responsible for conducting construction site inspections? Yes No
 - 4) Does your program include a checklist or other written means to document construction site inspections when determining compliance? Yes No
 - e. Does your program document and retain construction project name, location, total acreage to be disturbed, and owner/operator information? Yes No
 - f. Does your program document stormwater-related comments and/or supporting information used to determine project approval or denial? Yes No
 - g. Does your program retain construction site inspection checklists or other written materials used to document site inspections? Yes No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met.

D.2.c - Carver County will develop a written procedure to ensure that comments made by the public or reports submitted by the public to show both receipt and consideration by the end of 2014.

D.2.d.1 - Carver County will develop operating procedures outlining how to identify priority sites for inspection by the end of 2014

3. List the categories of BMPs that address your construction site stormwater runoff control program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). **If you have more than five categories**, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Ordinance or other Regulatory Mechanism	Implementation of Carver County Water Resource Management Area (CCWRMA) Rules: Carver County will enforce and implement the CCWRMA Rules adopted September 1, 2002. These rules apply to construction projects in the entire Carver County Water Resource Management Area. There are detailed erosion control, stormwater management, site inspection, enforcement and post-construction stormwater management/maintenance provisions in the Rules. Carver County will receive and respond to complaints of erosion and sediment control non-compliance as part of implementation of the CCWRMA Rules. In addition, Carver County will amend the Rules to be in accordance with NPDES Phase II requirements for construction projects.
Construction Site Implementation of Erosion and Sediment Control BMPs	Portions of the urbanized area of the County are within other watershed jurisdictions. Construction projects in these areas are subject to the requirements of those jurisdictions or LGUs. Implementation of Carver County Water Resource Management Area (CCWRMA) Rules: Carver County will enforce and implement the CCWRMA Rules adopted September 1, 2002.

These rules apply to construction projects in the entire Carver County Water Resource Management Area. There are detailed erosion control, stormwater management, site inspection, enforcement and post-construction stormwater management/maintenance provisions in the Rules. Carver County will receive and respond to complaints of erosion and sediment control non-compliance as part of implementation of the CCWRMA Rules. In addition, Carver County will amend the Rules to be in accordance with NPDES Phase II requirements for construction projects.

Portions of the urbanized area of the County are within other watershed jurisdictions. Construction projects in these areas are subject to the requirements of those jurisdictions or LGUs.

Coordinate with Carver Soil & Water Conservation District: Carver County will coordinate with the Carver Soil & Water Conservation District (SWCD) for the implementation of the Carver County Water Resource Management Rules. The Carver SWCD will provide technical assistance in the development of erosion and stormwater controls. The Carver SWCD will also monitor development sites for compliance with the erosion control standards of the Rules.

Waste Controls for Construction Site Operators: Carver County will achieve compliance with Part V.G.4.c. of the MS4 Phase II permit regarding requirements for construction site waste through enforcing Part A.2 of Chapter 50.009 of Title V of the Carver County Code of Ordinances containing Disposal Requirements of Solid Waste (See BMP #12). These Requirements state (in part):

All disposal of solid waste must be in accordance with applicable county ordinances and Agency rules. No person may dispose of a waste at an area or a facility which is not licensed for accepting that waste.

In addition, Carver County will amend the following sentence currently in Part VII.A.4.m of the Carver County Water Resource Management Area Rules (See BMP # 19):

Dumping or disposal of construction materials in waters of the state is not permitted.

with the following sentence from Part IV.F.1 the NPDES Phase II Construction permit:

Solid waste: Collected sediment, asphalt and concrete millings, floating debris, paper, plastic, fabric construction and demolition debris and other wastes must be disposed of properly and comply with Minnesota Pollution Control Agency regulations.

Carver County will achieve compliance with Part V.G.4.c. of the MS4 Phase II permit regarding requirements for construction site waste through enforcing Part A.2 of Chapter 50.009 of Title V of the Carver County Code of Ordinances containing Disposal Requirements of Solid Waste (See BMP #12). These Requirements state (in part):

All disposal of solid waste must be in accordance with applicable county ordinances and Agency rules. No person may dispose of a waste at an area or a facility which is not licensed for accepting that waste.

In addition, Carver County will amend the following sentence currently in Part VII.A.4.m of the Carver County Water Resource Management Area Rules (See BMP # 19):

Dumping or disposal of construction materials in waters of the state is not permitted.

with the following sentence from Part IV.F.1 the NPDES Phase II Construction permit:

Solid waste: Collected sediment, asphalt and concrete millings, floating debris, paper, plastic, fabric construction and demolition debris and other wastes must be disposed of properly and

	<p>comply with Minnesota Pollution Control Agency regulations.</p> <p>Coordinate with Carver Soil & Water Conservation District: Carver County will coordinate with the Carver Soil & Water Conservation District (SWCD) for the implementation of the Carver County Water Resource Management Rules. The Carver SWCD will provide technical assistance in the development of erosion and stormwater controls. The Carver SWCD will also monitor development sites for compliance with the erosion control standards of the Rules.</p>
Procedure for Site Plan Review	<p>Carver County will enforce and implement the CCWRMA Rules adopted September 1, 2002. These rules apply to construction projects in the entire Carver County Water Resource Management Area. There are detailed erosion control, stormwater management, site inspection, enforcement and post-construction stormwater management/maintenance provisions in the Rules. Carver County will receive and respond to complaints of erosion and sediment control non-compliance as part of implementation of the CCWRMA Rules. In addition, Carver County will amend the Rules to be in accordance with NPDES Phase II requirements for construction projects.</p> <p>The process currently established includes plan review AND site review and inspection by the Carver SWCD. This includes review of the site SWPPP, involvement in pre-con meetings, and site inspections until site is fully stabilized.</p> <p>Portions of the urbanized area of the County are within other watershed jurisdictions. Construction projects in these areas are subject to the requirements of those jurisdictions or LGUs.</p>
Establishment of Procedures for the Receipt and Consideration of Reports of Stormwater Noncompliance	<p>Carver County will enforce and implement the CCWRMA Rules adopted September 1, 2002. These rules apply to construction projects in the entire Carver County Water Resource Management Area. There are detailed erosion control, stormwater management, site inspection, enforcement and post-construction stormwater management/maintenance provisions in the Rules. Carver County will receive and respond to complaints via phone, or email of erosion and sediment control non-compliance as part of implementation of the CCWRMA Rules. In addition, Carver County will amend the Rules to be in accordance with NPDES Phase II requirements for construction projects.</p> <p>Portions of the urbanized area of the County are within other watershed jurisdictions. Construction projects in these areas are subject to the requirements of those jurisdictions or LGUs.</p>
Establishment of Procedures for Site Inspections and Enforcement	<p>Carver County will enforce and implement the CCWRMA Rules adopted September 1, 2002. These rules apply to construction projects in the entire Carver County Water Resource Management Area. There are detailed erosion control, stormwater management, site inspection, enforcement and post-construction stormwater management/maintenance provisions in the Rules. Carver County will receive and respond to complaints of erosion and sediment control non-compliance as part of implementation of the CCWRMA Rules. In addition, Carver County will amend the Rules to be in accordance with NPDES Phase II requirements for construction projects.</p> <p>Portions of the urbanized area of the County are within other watershed jurisdictions. Construction projects in these areas are subject to the requirements of those jurisdictions or LGUs.</p>
BMP categories to be implemented	Measurable goals and timeframes
Development Review	Carver County will develop a written procedure to ensure that comments made by the public or reports submitted by the public to show both receipt and consideration by the end of 2014.
Priority Inspections	Ensure that 25% of all inspections conducted during the year will be performed at high priority sites as outlined by Carver County Staff.

Documentation Procedures	Develop construction site inspection checklists that includes name of person conducting the inspection. Update retention period of these checklists to six years.

4. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

- Paul Moline - Planning and Water Management Department Manager
- Kristen Larson - Planning and Water Management Planner
- Mike Wanous - Carver County Soil and Water Conservation District Manager
- Chip Hentges - Carver County Soil and Water Conservation District Conservation Technician

E. MCM 5: Post-construction stormwater management

1. The Permit (Part III.D.5.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement and enforce a post-construction stormwater management program. Describe your current program:

Carver County ensures the success of installed stormwater BMPs on development sites through various operation and management agreements and pre-construction BMP review for developers. Any stormwater BMPs that have been constructed by the County and transferred to other entities will have agreements in place to ensure proper operation of the BMP.

- 2. Have you established written procedures for site plan reviews that you will conduct prior to the start of construction activity? Yes No
- 3. Answer **yes** or **no** to indicate whether you have the following listed procedures for documentation of post-construction stormwater management according to the specifications of Permit (Part III.D.5.c.):
 - a. Any supporting documentation that you use to determine compliance with the Permit (Part III.D.5.a), including the project name, location, owner and operator of the construction activity, any checklists used for conducting site plan reviews, and any calculations used to determine compliance? Yes No
 - b. All supporting documentation associated with mitigation projects that you authorize? Yes No
 - c. Payments received and used in accordance with Permit (Part III.D.5.a.(4)(f))? Yes No
 - d. All legal mechanisms drafted in accordance with the Permit (Part III.D.5.a.(5)), including date(s) of the agreement(s) and names of all responsible parties involved? Yes No

If you answered **no** to any of the above permit requirements, describe the steps that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met.

3.d - All agreements used for post-construction management will be updated to include date of the agreement and names of all responsible parties involved by the end of 2014.

4. List the categories of BMPs that address your post-construction stormwater management program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). **If you have more than five categories**, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Development and Implementation of Structural and/or Non-structural BMPs	<p>Implementation of Carver County Water Resource Management Area (CCWRMA) Rules:</p> <p>Carver County will enforce and implement the CCWRMA Rules adopted September 1, 2002. These rules apply to construction projects in the entire Carver County Water Resource Management Area. There are detailed erosion control, stormwater management, site inspection, enforcement and post-construction stormwater management/maintenance provisions in the Rules. Carver County will receive and respond to complaints of erosion and sediment control non-</p>

	<p>compliance as part of implementation of the CCWRMA Rules. In addition, Carver County will amend the Rules to be in accordance with NPDES Phase II requirements for construction projects.</p> <p>Portions of the urbanized area of the County are within other watershed jurisdictions. Construction projects in these areas are subject to the requirements of those jurisdictions or LGUs.</p>
Regulatory Mechanism to Address Post Construction Runoff from New Development and Redevelopment	<p>Implementation of Carver County Water Resource Management Area (CCWRMA) Rules:</p> <p>Carver County will enforce and implement the CCWRMA Rules adopted September 1, 2002. These rules apply to construction projects in the entire Carver County Water Resource Management Area. There are detailed erosion control, stormwater management, site inspection, enforcement and post-construction stormwater management/maintenance provisions in the Rules. Carver County will receive and respond to complaints of erosion and sediment control non-compliance as part of implementation of the CCWRMA Rules. In addition, Carver County will amend the Rules to be in accordance with NPDES Phase II requirements for construction projects.</p> <p>Portions of the urbanized area of the County are within other watershed jurisdictions. Construction projects in these areas are subject to the requirements of those jurisdictions or LGUs.</p>
Long-term Operation and Maintenance of BMPs	<p>Implementation of Carver County Water Resource Management Area (CCWRMA) Rules:</p> <p>Carver County will enforce and implement the CCWRMA Rules adopted September 1, 2002. These rules apply to construction projects in the entire Carver County Water Resource Management Area. There are detailed erosion control, stormwater management, site inspection, enforcement and post-construction stormwater management/maintenance provisions in the Rules. Carver County will receive and respond to complaints of erosion and sediment control non-compliance as part of implementation of the CCWRMA Rules. In addition, Carver County will amend the Rules to be in accordance with NPDES Phase II requirements for construction projects.</p> <p>Portions of the urbanized area of the County are within other watershed jurisdictions. Construction projects in these areas are subject to the requirements of those jurisdictions or LGUs.</p> <p>Inspect 20% of County-owned Outfalls Annually:</p> <p>Carver County will inspect 20% of County-owned stormwater inlets located on County roads within the urbanized area annually. Based on these inspections, repairs or maintenance will be performed as needed. Records of all inspections will be retained and summary reported in the annual MS4 report.</p>
BMP categories to be implemented	Measurable goals and timeframes
Update Legal Mechanisms	Will update all legal mechanisms to be compliant with the MS4 permit by the end of 2014

5. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Paul Moline - Planning and Water Management Division Manager

F. MCM 6: Pollution prevention/good housekeeping for municipal operations

1. The Permit (Part III.D.6.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement an operations and maintenance program that prevents or reduces the discharge of pollutants from the permittee owned/operated facilities and operations to the small MS4. Describe your current program:

Carver County currently inspects its structural pollution control devices on an annual basis and inspects all of its outfalls, sediment basins and ponds each year. The County inspects stockpiles, storage and material handling areas at the maintenance yard for potential discharges and maintenance of BMPs. The County is evaluating the use of road salt for winter road maintenance activities to reduce chlorides entering our water resources. The County sweeps streets once in the fall after leaf drop. Maintenance staff is trained semi-annually on various topics related to pollution prevention during maintenance activities

2. Do you have a facilities inventory as outlined in the Permit (Part III.D.6.a.)? Yes No
3. If you answered **no** to the above permit requirement in question 2, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

4. List the categories of BMPs that address your pollution prevention/good housekeeping for municipal operations program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. For an explanation of measurable goals, refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Municipal Operations and Maintenance Program	<p>Portion applying to Carver County is likely public works activities on County Roads in MS4 area only. Those activities are included below:</p> <p>BMP Activity Title: Storm Water System Map Description: Carver County will create a map of the County owned storm water conveyance system, including the County owned highways and parks. The County will coordinate the mapping of the system with cities and townships within the County.</p> <p>BMP Activity Title: County Highway Sweeping Description: Carver County will ensure that urban sections of County highways will be pick-up swept annually. Rural sections will be swept to shoulder.</p> <p>BMP Activity Title: Road Salt Storage Description: Carver County will review and assess current practices of road salt storage and handling. Based on the review, the County will develop and implement best management practices.</p> <p>BMP Activity Title: Road Salt Application Description: Carver County will review current practices of road salt applications in relationship to alternative products, calibration of equipment, inspection of vehicles, and staff training. Based on results of the review, recommendations for future practices will be developed.</p>

	<p>BMP Activity Title: Public Works Used Oil Recycling Description: Carver County will review current practices in the disposal of used oil from vehicles maintained by Public Works.</p> <p>BMP Activity Title: Public Works Vehicle and Equipment Maintenance Description: Carver County will review current practices to protect against spills and leaks during the maintenance of vehicles and equipment. Based on the review, the County will make any recommended changes in practices.</p> <p>BMP Activity Title: Public Works Vehicle and Equipment Washing Description: Carver County will review current practices to control runoff from the washing of vehicles and equipment. The County will construct an indoor vehicle wash bay which drains to the sanitary sewer at the Public Works Headquarters site near Cologne, MN.</p> <p>BMP Activity Title: Landscaping and Lawn Care Practices Description: Carver County will evaluate current practices in the use of fertilizer application, pesticide and herbicide application, mowing and discharge operations, grass clipping collection, mulching and composting for County parks and highways. Based on the evaluation, Carver County will develop best management practices to prevent storm water pollution.</p> <p>BMP Activity Title: Training for Public Works staff Description: Carver County will provide its Public Works department staff with training in locating, inspecting, and installing construction site erosion control measures consistent with best management practices.</p> <p>BMP Activity Title: Inspect 20% of County-owned Outfalls Annually. Description: Carver County will inspect 20% of County-owned stormwater inlets located on County roads within the urbanized area annually. Based on these inspections, repairs or maintenance will be performed as needed.</p>
Street Sweeping	Carver County will ensure that sections of County highways within the MS4 defined areas will be pick-up swept annually. Rural sections will be swept to shoulder.
Annual Inspection of Structural Pollution Control Devices	Carver County will inspect structural pollution control devices located on County roads within the urbanized area annually. Based on these inspections, repairs or maintenance will be performed as needed.
Inspection of a minimum of 20 percent of the MS4 Outfalls, Sediment Basins and Ponds Each Year on a rotating basis	Carver County will inspect 20% of County-owned stormwater inlets located on County roads within the urbanized area annually. Based on these inspections, repairs or maintenance will be performed as needed.
Annual inspection of all exposed stockpile, storage and material handling areas	Carver County will conduct an annual inspection of storage facilities; including exposed stockpiles, storage and material handling areas.
Inspection follow-up including the determination of whether repair, replacement, or maintenance measures are necessary and the implementation of the corrective measures	These activities will cover all aspects of the Municipal Operations and Maintenance Program as outlined above.
Record reporting and retention of all inspections and responses to the inspections	Retain all records at County Public Works Facility for all aspects of the Municipal Operations and Maintenance Program as outlined above for a minimum of three years.
Evaluation of Inspection Frequency	All program aspects will be evaluated annually for changes to BMPs and processes.

BMP categories to be implemented	Measurable goals and timeframes
Drinking Water Protection	Specific BMPs will be developed by the end of 2014 that will be used to protect drinking water sources that are within the MS4 coverage area and not currently protected by other small MS4s.
Storm Water BMP effectiveness	Carver County Staff will produce a timeline and strategies to model the TSS and TP effectiveness of all ponds that are owned and operated by the County. Review the potential partner with other local government units to include all ponds that discharge to water bodies that are listed as impaired.
Training	Carver County will develop a schedule outlining initial training, recurring training intervals for existing employees to maintain compliance with the MS4 Permit by the end of 2014
Inspections	Inspection schedules for stockpiles, storage, and material handling areas will be updated to be a quarterly inventory.

5. Does discharge from your MS4 affect a Source Water Protection Area (Permit Part III.D.6.c.)? Yes No
- a. If **no**, continue to 6.
- b. If **yes**, the Minnesota Department of Health (MDH) is in the process of mapping the following items. Maps are available at <http://www.health.state.mn.us/divs/eh/water/swp/maps/index.htm>. Is a map including the following items available for your MS4:
- 1) Wells and source waters for drinking water supply management areas identified as vulnerable under Minn. R. 4720.5205, 4720.5210, and 4720.5330? Yes No
- 2) Source water protection areas for surface intakes identified in the source water assessments conducted by or for the Minnesota Department of Health under the federal Safe Drinking Water Act, U.S.C. §§ 300j – 13? Yes No
- c. Have you developed and implemented BMPs to protect any of the above drinking water sources? Yes No
6. Have you developed procedures and a schedule for the purpose of determining the TSS and TP treatment effectiveness of all permittee owned/operated ponds constructed and used for the collection and treatment of stormwater, according to the Permit (Part III.D.6.d.)? Yes No
7. Do you have inspection procedures that meet the requirements of the Permit (Part III.D.6.e.(1)-(3)) for structural stormwater BMPs, ponds and outfalls, and stockpile, storage and material handling areas? Yes No
8. Have you developed and implemented a stormwater management training program commensurate with each employee's job duties that:
- a. Addresses the importance of protecting water quality? Yes No
- b. Covers the requirements of the permit relevant to the duties of the employee? Yes No
- c. Includes a schedule that establishes initial training for new and/or seasonal employees and recurring training intervals for existing employees to address changes in procedures, practices, techniques, or requirements? Yes No
9. Do you keep documentation of inspections, maintenance, and training as required by the Permit (Part III.D.6.h.(1)-(5))? Yes No

If you answered **no** to any of the above permit requirements listed in **Questions 5 – 9**, then describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

F.5.c - Specific BMPs will be developed by the end of 2014 that will be used to protect the above drinking water sources.

F.6 - Carver County will develop procedures and a schedule to determine the TSS and TP treatment effectiveness of all permittee owned/operated ponds constructed and used for collection and treatment of stormwater within the MS4 coverage area by the end of 2014

F.7 - Carver County currently does not have a quarterly inspection schedule for stockpiles, and storage and material handling areas that are inventoried, which will be updated by 2014.

F.8.c - Carver County will develop a schedule outlining initial training, recurring training intervals for existing employees

by the end of 2014.

F.9 - Carver County will update documentation procedures to be in compliance of the permit by 2014.

10. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Lyndon Robjent - Public Works Director

VI. Compliance Schedule for an Approved Total Maximum Daily Load (TMDL) with an Applicable Waste Load Allocation (WLA) (Part II.D.6.)

- A. Do you have an approved TMDL with a Waste Load Allocation (WLA) prior to the effective date of the Permit? Yes No

1. If **no**, continue to section VII.
2. If **yes**, fill out and attach the MS4 Permit TMDL Attachment Spreadsheet with the following naming convention: *MS4NameHere_TMDL*.

This form is found on the MPCA MS4 website: <http://www.pca.state.mn.us/ms4>.

VII. Alum or Ferric Chloride Phosphorus Treatment Systems (Part II.D.7.)

- A. Do you own and/or operate any Alum or Ferric Chloride Phosphorus Treatment Systems which are regulated by this Permit (Part III.F.)? Yes No

1. If **no**, this section requires no further information.
2. If **yes**, you own and/or operate an Alum or Ferric Chloride Phosphorus Treatment System within your small MS4, then you must submit the Alum or Ferric Chloride Phosphorus Treatment Systems Form supplement to this document, with the following naming convention: *MS4NameHere_TreatmentSystem*.

This form is found on the MPCA MS4 website: <http://www.pca.state.mn.us/ms4>.

VIII. Add any Additional Comments to Describe Your Program

TMDL Wasteload Allocation Excel Spreadsheet PART II.D.6.a.-e.

Copy and paste from the Master List MS4 TMDL Spreadsheet for your MS4 to the space below.

Attach this completed form with your SWPPP Document at the time of submittal. At a **minimum**, provide all of the information "" items (TMDL Project Name, Type of WLA, Numeric WLA, Unit, Flow Condition, and Pollutant of Concern).

Permittee name	Preferred ID	TMDL project name*	Waterbody ID	Type of WLA*	Numeric WLA*	Unit*	Percent reduction	Flow condition*	Waterbody name	Pollutant of concern*	Date approved
Carver County	MS400070	Bluff Creek Watershed Turbidity and Fish Bioassessment Impairments TMDL	07020012-710	Individual	0.13	tons/day	88%	High	Bluff Creek: Headwaters to Rice Lake	TSS	6/28/2013
Carver County	MS400070	Bluff Creek Watershed Turbidity and Fish Bioassessment Impairments TMDL	07020012-710	Individual	0.02	tons/day	0%	Moist	Bluff Creek: Headwaters to Rice Lake	TSS	6/28/2013
Carver County	MS400070	Bluff Creek Watershed Turbidity and Fish Bioassessment Impairments TMDL	07020012-710	Individual	0.01	tons/day	0%	Mid-Range	Bluff Creek: Headwaters to Rice Lake	TSS	6/28/2013
Carver County	MS400070	Bluff Creek Watershed Turbidity and Fish Bioassessment Impairments TMDL	07020012-710	Individual	0.01	tons/day	0%	Dry	Bluff Creek: Headwaters to Rice Lake	TSS	6/28/2013
Carver County	MS400070	Bluff Creek Watershed Turbidity and Fish Bioassessment Impairments TMDL	07020012-710	Individual	0.002	tons/day	0%	Low	Bluff Creek: Headwaters to Rice Lake	TSS	6/28/2013
Carver County	MS400070	Burandt Lake Nutrient TMDL	10-0084	Categorical	0.13	kg/day	0%	N/A	Burandt Lake	Phosphorus	11/26/2008
Carver County	MS400070	Carver Creek Turbidity TMDL	07020012-516	Individual	14.2	kg/day	0%	High	Carver Creek	TSS	9/26/2012
Carver County	MS400070	Carver Creek Turbidity TMDL	07020012-516	Individual	4.4	kg/day	0%	Moist	Carver Creek	TSS	9/26/2012
Carver County	MS400070	Carver Creek Turbidity TMDL	07020012-516	Individual	1.5	kg/day	0%	Mid-Range	Carver Creek	TSS	9/26/2012
Carver County	MS400070	Carver Creek Turbidity TMDL	07020012-516	Individual	0.5	kg/day	0%	Dry	Carver Creek	TSS	9/26/2012
Carver County	MS400070	Carver Creek Turbidity TMDL	07020012-516	Individual	0.1	kg/day	0%	Low	Carver Creek	TSS	9/26/2012
Carver County	MS400070	Minnehaha Creek Watershed District Lakes TMDL	10-0042	Individual	0.0126	lbs/day	0%	N/A	Parley Lake	Phosphorus	4/25/2011
Carver County	MS400070	Minnehaha Creek Watershed District Lakes TMDL	10-0048	Individual	0.00337	lbs/day	48%	N/A	Wassermann Lake	Phosphorus	4/25/2011

Compliance Schedule PART II.D.6.f.-g.

Is your MS4 currently meeting its WLA for any approved TMDLs?

- NO (Complete Table 1, Strategies for continued BMP implementation beyond the term of this permit, and Table 2 below)
 YES (Provide the following information below)

Go to:
[Table 1](#)

Go to:
[Strategies...](#)

Go to:
[Table 2](#)

If YES, indicate the WLAs (may be grouped by TMDL Project) you believe are reasonably being met. For each WLA, list the implemented BMPs and provide a narrative strategy for the long-term continuation of meeting each WLA. PART II.D.6.g.(1)-(2)

- Bluff Creek Watershed Turbidity and Fish Bioassessment Impairments TMDL
 No reduction is required for the Moist, Mid-range, Dry, and Low TMDL Allocations. With current BMPs and ordinances in place, WLA requirements will be continue to be met .

- Burandt Lake Nutrient TMDL
 No reductions are required for this TMDL. With current BMPs and ordinances in place, WLA requirements will be continue to be met.

- Carver Creek Turbidity TMDL
 No reductions are required for this TMDL. With current BMPs and ordinances in place, WLA requirements will be continue to be met.

- Minnehaha Creek Watershed District Lakes TMDL: Parley Lake
 No reductions are required for this TMDL. With current BMPs and ordinances in place, WLA requirements will be continue to be met.

Table 1

Fill in the following table with your Interim Milestones, BMP IDs, and Implementation Dates. Replace "TMDL Project Name & Pollutant" Columns with each TMDL Project Name and the corresponding pollutant. Then put an "X" in the boxes for the TMDL that corresponds with each BMP. PART II.D.6.f.(1)-(2)

NOTE:

It is recommended to assign each Interim Milestone (BMP) a BMP ID. You will be required to report on the status of each Interim Milestone and include a BMP ID for all structural BMPs as part of the MS4 Annual Report (see Part III.E.), so including those ID numbers at the time of application may be useful in tracking implementation efforts. If a pond that will be included in the pond inventory (Part III.C.2.) is to be applied toward a WLA, use the same ID for both the pond inventory and TMDL tracking. Non-structural BMPs are not required to have an ID, but it may be useful to assign it an ID for internal MS4 recordkeeping.

MPCA recommends the Implementation Dates align with the submittal of MS4 Annual Reports. Dates selected may not reflect the actual date a BMP is implemented, but shall indicate a BMP will be implemented on that date or before for that reporting year.

Interim Milestone (Best Management Practice)	BMP ID	Implementation Date	Bluff Creek Watershed Turbidity and Fish Bioassessment Impairments TMDL - TSS	Minnehaha Creek Watershed District Lakes TMDL: Wasserman Lake - TP
Document existing agreements between County and local LGUs to determine who is responsible for the maintenance of existing stormwater BMPs		6/20/2015	x	x
Determine TP and TSS efficiencies of stormwater BMPs		6/20/2018	x	x
Map all ponds and stormwater conveniences		6/20/2017	x	x
Target areas in ROW for installing BMPs		6/20/2016	x	x
Review street sweeping procedures		6/20/2014	x	x
Update street sweeping procedures to enhance removal rates		6/20/2015	x	x
Install appropriate BMPs in targeted ROWs		6/20/2018	x	x
Retrofit existing structural BMPs were feasible		6/20/2018	x	x

Strategies for continued BMP implementation beyond the term of this permit. PART II.D.6.f.(3)

Carver County will continue to maintain existing BMPs located within the MS4 as well as continuing to follow the stormwater treatment requirements of the County. Monitoring by outside agencies will document improvements to impaired waters and the County will adapt to any changes to the water quality to ensure that the compliance schedule listed below will be met.

Table 2
Target dates the applicable WLA(s) will be achieved. PART II.D.6.f.(4)

TMDL Project	Target Date to Achieve WLA
Minnehaha Creek Watershed District Lakes TMDL: Wasserman Lake - TP	6/20/2025
Bluff Creek Watershed Turbidity and Fish Bioassessment Impairments TMDL - TSS	6/20/2035