
Appendix C

MS4 SWPPP



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: City of Falcon Heights *County: Ramsey
(city, county, municipality, government agency or other entity)

*Mailing address: 2077 Larpenteur Avenue West

*City: Falcon Heights *State: MN *Zip code: 55113

*Phone (including area code): 651-792-7618 *E-mail: tim.pittman@falconheights.org

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

*Last name: Pittman *First name: Tim
(department head, MS4 coordinator, consultant, etc.)

*Title: Public Works and Parks Director, MS4 Permit Coordinator

*Mailing address: 2077 Larpenteur Avenue West

*City: Falcon Heights *State: MN *Zip code: 55113

*Phone (including area code): 651-792-7618 *E-mail: tim.pittman@falconheights.org

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

Last name: Leaf First name: Ron
(department head, MS4 coordinator, consultant, etc.)

Title: SEH Inc., Principal | Sr. Engineer

Mailing address: 3535 Vadnais Center Drive

City: St. Paul State: MN Zip code: 55110

Phone (including area code): 651.765.2998 E-mail: rleaf@sehinc.com

Verification

- 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.). Yes
- I have read and understand the NPDES/SDS MS4 General Permit and certify that we intend to comply with all requirements of the Permit. 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: Tim Pittman
(This document has been electronically signed)

Title: Public Works and Parks Director Date (mm/dd/yyyy): 12/30/2013

Mailing address: 2077 Larpenteur Avenue West

City: Falcon Heights State: MN Zip code: 55113

Phone (including area code): 651-792-7618 E-mail: tim.pittman@falconheights.org

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

- 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*.

The City does not have any formal partnership agreements in place to satisfy requirements a of the permit. However, the City partners with several entities on a regular, but informal basis, on stormwater related issues. These entities include local watershed organizations, Ramsey County, MnDOT and adjacent cities.

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:

The City's will develop and IDDE ordinance that meets the requirements of the Permit, adopt and implement the ordinance. The city will review example ordinances as necessary. This effort will be completed within 12 months of the date permit coverage is extended.

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:

- 1) *Regulatory mechanism is established in City Code, Chapter 107.*
- 2) *Policies are established in the Water Resource Management Plan (Goal 4, Policy 4.1)*

Direct link:

- 1) *City Code can be found by accessing the following web links:*
 - a) *<http://library.municode.com/index.aspx?clientID=14127&stateID=23&statename=Minnesota>*
- 2) *Policy is in the Comprehensive Surface Water Management Plan:*
 - b) *http://archive.ci.falcon-heights.mn.us/compplan2008/FalconHeightsWaterManagementPlan_Oct08.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:

B.1. The City's current ESC ordinance is as least as stringent as the MPCA Construction Stormwater (CSW) permit for some erosion and sediment control and waste control requirements. The city will review and update the current ordinance as necessary to meet and in accordance with permit requirements (Part III.D.4.a). This effort will be completed within 12 months of the date permit coverage is extended.

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. Yes No
- 2. BMPs to minimize the discharge of sediment and other pollutants. Yes No
- 3. BMPs for dewatering activities. Yes No
- 4. Site inspections and records of rainfall events Yes No
- 5. BMP maintenance Yes No
- 6. Management of solid and hazardous wastes on each project site. Yes 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. Yes No
- 8. Criteria for the use of temporary sediment basins. 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.1- 8: The City will review and update their ordinance(s) and regulatory mechanism(s) as necessary to meet the above erosion and sediment controls and waste controls as described in the Permit (Part III.D.4.a.(1)-(8)) as listed above. This effort will be completed within 12 months of the date permit coverage is extended.

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:

- 1) *Regulatory mechanism is established in City Code, Chapter 107.*
2) *Policies are established in the Water Resource Management Plan (Goals 4, 5 and 10)*

Direct link:

- 1) *City Code can be found by accessing the following web links:*
a) *<http://library.municode.com/index.aspx?clientID=14127&stateID=23&statename=Minnesota>*
2) *Policy is in the Comprehensive Surface Water Management Plan:*
b) *http://archive.ci.falcon-heights.mn.us/complan2008/FalconHeightsWaterManagementPlan_Oct08.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: Yes No
- a) Where industrial facilities are not authorized to infiltrate industrial stormwater under an NPDES/SDS Industrial Stormwater Permit issued by the MPCA.
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:

B.2: The City will review and update their ordinance(s) and regulatory mechanism(s) as necessary to meet the requirements for post-construction stormwater management as described in the Permit (Part III.D.5.a.). This effort will be completed within 12 months of the date permit coverage is extended.

B.3: The City will review and update their ordinance(s) and regulatory mechanism(s) as necessary to meet the requirements for stormwater management limitations and exceptions as described in the Permit (Part III.D.5.a.). This effort will be completed within 12 months of the date permit coverage is extended.

B.4: The City will review and update their ordinance(s) and regulatory mechanism(s) as necessary to meet the requirements for mitigation provisions as described in the Permit (Part III.D.5.a.). This effort will be completed within 12 months of the date permit coverage is extended.

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:

A.1. The City currently has some existing ERPs in Section 1-7 and 107-10 of City Code. however the City plans to review current ERP's and ensure they are in written format and housed so they are easy to find. This effort will be completed within 12 months of the date permit coverage is extended.

B. Describe your ERPs:

B.1. The City may issue stop work orders, notice of violations, impose penalties, charge fees and/or pursue criminal prosecution.

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

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

A.1. The City maintains an electronic map and data base for the City's storm sewer system. City staff updates the map and database with the latest as-built drawing information annually.

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. A review of the current storm water system map will be done to ensure all outfalls are reflected and have unique identification numbers assigned. This effort will be completed within 12 months of the date permit coverage is extended.

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:

D.1. This effort will be completed within 12 months of the date permit coverage is extended.

- E. Answer **yes** or **no** to indicate if you are attaching your pond, wetland and lake inventory to the MPCA Yes No 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*.

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**:

A.1. The City of provides its citizens with storm water education in the form of displays, pamphlets, booklets, local newspaper, public television and utility stuffers. For the majority of the cases, the audience is homeowners, businesses, and developers. The audience depends on the situation or campaign that may be occurring at the time. The method of distributing the materials is tailored to most efficiently reach the intended audience. The City has created and will continuously update a link on the City's website containing storm sewer issues and pollution prevention programs in the City. General educational goals include increased awareness to storm water systems, activities that lead to storm water pollution, pollution prevention measures and awareness on the adverse effect pollution and toxins have on the water bodies and environment.

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
City Bulletin Board	Various brochures and information available year-round at City Hall. Track the number of brochures made available each year.
City Newsletter	Article(s) that cover each major MCM published each year. Track the number of articles published each year.
Special inserts and packets	A variety of storm water related brochures/inserts are created for use. Special new resident packets are also prepared that include storm water related material. Track the number of materials made available annually.
Local access cable channel	The City periodically airs segments related to stormwater. Track events aired annually.
City Website	Update information available through the City Web Page each year. Track hits to stormwater page.
BMP categories to be implemented	Measurable goals and timeframes

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

MS4 Permit Coordinator

B. MCM2: Public participation and involvement

- 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:

B.1. The Annual Public SWPPP meeting includes an educational component. The City will notify the public 30 days prior to the annual meeting. The notice will refer to the SWPPP as being a topic of discussion at the meeting and will inform people on the location, date and time of the public meeting. The notice will also inform the public on where they may view a copy of the SWPPP and that they have an opportunity to comment on the SWPPP. Following the public meeting, all relevant material discussed concerning the SWPPP will be submitted with the annual report.

- 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	Annually, notice meeting at least 30 days prior to meeting
Solicit Public Input and opinions on the Adequacy of the SWPPP	SWPPP is available at the meeting and public is given option to provide input at the annual meeting
Conduct public hearing for each permit year	Public Hearing is held annually in about May or June
Review and consider public Input	Any public comments are reviewed by staff prior to completing the annual report
Local resident participation events (e.g., Adopt-a-park, spring clean up, storm stenciling)	Continue annual events. Track number held each year.
BMP categories to be implemented	Measurable goals and timeframes

- 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:

B.3. The City currently solicits input and opinions from the public. This input is gathered and documented in our MS4 program. However the City plans to review current practices to ensure they are in a written format and housed so they are easy to find. This effort will be completed within 12 months of the date permit coverage is extended.

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

MS4 Permit Coordinator

C. MCM 3: Illicit discharge detection and elimination

- 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:

The City documents any dry weather flow discharges by inspecting stormwater ponds, outfalls, and structural pollution control devices. After identifying any illicit discharges or illegal dumping, the City uses the existing nuisance ordinance for enforcement and/or actions to eliminate the discharge.

1) Spill reduction and response program: Currently, there is a spill response procedure in place. The City deals with small spills on City property. Larger spills are the responsibility of the Fire Department. Response procedures for other spills occurring on Mn/DOT and County right-of-way and on the properties of state regulated industries are separate and involve state agency response teams.

2) Business district inspection: City staff will visually inspect business districts periodically. Staff is on the lookout for dumping litter, as well as unusual discharges to the storm water conveyance system in these areas.

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 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). Yes No
 - 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. The City will review and update their Illicit Discharge Detection and Elimination Program as necessary to meet the requirements as found in the Permit (Part III.D.3.c.-g.). The City will review current procedures and ensure they are in a written format and housed so they are easy to access. This effort will be completed within 12 months of the date permit coverage is extended.

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
Maintain Storm Sewer Map	New or reconstructed storm sewer add as completed
Review ordinances and update as needed	Review ordinances for updates each year
Maintain an Illicit Detection and Elimination Program	The Illicit Detection and Elimination Program runs throughout each year of the permit
Staff training on illicit discharges	Provide education material and hold a city staff training event on illicit discharges
Review non-storm water discharge list to evaluate significance of each potential source	Performed each year of the permit
BMP categories to be implemented	Measurable goals and timeframes

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:

C.4. The City plans to review current practices and ensure that the practices are in a written format and housed so they are easy to find. This effort will be completed within 12 months of the date permit coverage is extended.

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

MS4 Permit Coordinator

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:

D.1. The City currently has measures in place for Construction Site Storm Water Runoff Control. An erosion control The City has adopted a Stormwater Management Ordinance which includes a regulatory mechanism to control construction site runoff. The ordinance consists of a required submittal of a Storm Water Management Plan, design standards, requirements for inspections and record keeping, waste disposal, dewatering, BMP maintenance, design standards for permanent stormwater management controls, and temporary/permanent stabilization timeframes. Currently, the enforcement component includes fines for noncompliance.

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. The City will review and update their Construction Site Stormwater Runoff Control program as necessary to meet the requirements found in the Permit (Part III.D.4.b). The City will review current procedures and ensure they are in a written format and housed so they are easy to access. This effort will be completed within 12 months of the date permit coverage is extended.

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
Permit Application System	Process/review all applications for compliance with stormwater standards
Inspections	Inspections by City staff

BMP categories to be implemented	Measurable goals and timeframes
Develop and maintain written procedures for erosion control development review and construction site inspection program.	Create within 12 months of permit authorization, update annually as needed.

4. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:
MS4 Permit Coordinator

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:

E.1. The City has a Stormwater Ordinance and Standards that establishes the required use of BMPs for rate control and water quality for new and redevelopment projects. As new developments and redevelopments come in for permit staff reviews them to ensure that they comply with the goals and policies included in the City's water resources management plan.

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.

E.3. The City will review and update current documentation of post-construction stormwater management according to the Permit (Part III.D.5.c). This effort will be completed within 12 months of the date permit coverage is extended.

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
Incorporate new facilities into database and map	New facilities are added to the data base and map throughout each year
Maintain ordinances and regulatory mechanism to address construction runoff	Review and update as needed on a yearly basis
Require maintenance agreements on new private BMP's during the development approval process	This is done a per project basis throughout each year

BMP categories to be implemented	Measurable goals and timeframes
Develop and maintain written procedures for post-construction stormwater management program	Create within 12 months of permit authorization, update annually as needed

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

MS4 Permit Coordinator

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:

F.1. The City performs maintenance activities and regular inspections of structural and nonstructural storm water controls to reduce floatables and other pollutants discharged from the City's separate storm sewers. Training seminars are conducted to instruct city employees on proper inspection for storm sewer structures. Proper documentation is completed and any actions recommended to improve current condition are sent to the party responsible for Pollution Prevention / Good Housekeeping measure and prompt corrective action is taken. Records are kept of all inspection results and any maintenance performed or recommended.

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
Street Sweeping	Once in the spring and once in the fall of each year
Conduct staff training event	Conducted at a minimum of one time each year
Inspection of structural pollution control devices	Inspect all structural pollution control devices at a minimum of one time each year
Annual, rotating, inspection of outfalls, sediment basins, and ponds	Inspection of a minimum of 20% of all outfalls, sediment basins, and ponds each year
Inspection of all exposed stockpile, storage, and material handling areas	Inspection conducted of the facilities grounds on a quarterly basis
Determination of repairs, replacement, and maintenance	Track system components maintained and the general condition of the system annually
BMP categories to be implemented	Measurable goals and timeframes

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.6 The City will review and create written 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 collection and treatment of stormwater, according to the Permit (Part III.D.6.d). This effort will be completed within 12 months of the date permit coverage is extended.

F.7. The City will review current procedures and create updated written procedures for inspection that meet the requirements of the Permit (Part III.D.6.e.(1)-(3)) for structural stormwater BMPs, ponds, outfalls, stockpile, storage, and material handling areas. This effort will be completed within 12 months of the date permit coverage is extended.

F.8. The City will review the current staff training to ensure that it reviews stormwater management training commensurate with each employee's job duties as described above. This effort will be completed within 12 months of the date coverage is extended.

F.9. The City will review and update current documentation procedures to ensure inspections, maintenance, and training documentation is kept according to the Permit (Part III.D.6.h.(1)-(5)). This effort will be completed within 12 months of the date permit coverage is extended.

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

MS4 Permit Coordinator

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
Falcon Heights City	MS400047	Como Lake: Excess Nutrients TMDL	62-0055-00	Categorical	0.68	lbs/day	60%	N/A	Como Lake	Phosphorus	12/23/2010

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)

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

Interim Milestone (Best Management Practice)	BMP ID	Implementation Date	Como Lake: Excess Nutrients: Phosphorus
Arlington-Pascal Stormwater Improvement Project (Rain Gardens, Infiltration Trenches, UG, Stormwater Pond) - Joint Partnership	APSI-0001	6/30/2010	x
Gottfried's Pit Stormwater Improvement Project - Joint Partnership	GPSI - 0002	6/30/2012	x
Falcon Heights Street Reconstruction Stormwater Project	FHSW - 0010	6/30/2014	x
Curtiss Pond Stormwater Improvements - Falcon Heights	CPSI - 0011	6/30/2015	x
Street sweeping	Sweeping	Ongoing	x
Catch basin cleaning	CB_Cleaning	Ongoing	x
Stormwater BMP maintenance	BMP_Maintenance	Ongoing	x
Public stormwater education	Public_Education	Ongoing	x
Municipal stormwater education on good housekeeping and pollution prevention measures	Muni_Education	Ongoing	x

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

Beyond the term of this permit, CRWD, Saint Paul, Roseville, Falcon Heights, and Ramsey County will continue to investigate opportunities individually and jointly for implementing and promoting stormwater BMPs within the Como Lake watershed. The partners will consider utilizing green infrastructure practices instead of traditional stormwater management practices to reduce phosphorus loading to Como Lake. In addition, grants and other funding sources will be pursued to aid in the planning, design, and construction of stormwater BMPs. Existing stormwater management regulations will be evaluated periodically for assurance that NPDES MS4 permit requirements are being met. The partners will also monitor and/or conduct modeling of phosphorus loading to help determine the target

Table 2

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

TMDL Project	Target Date to Achieve WLA
Como Lake: Excess Nutrients TMDL	2043