



ENVIRONMENTAL QUALITY & ENERGY COMMISSION MEETING

July 12, 2022

7:00 PM

Fridley Civic Campus, 7071 University Ave N.E.

AGENDA

Call to Order

Notice is hereby given that Chair of the Fridley EQEC has changed the location of the July 12, 2022 meeting to Riverview Heights Park (near 79th Way N.E. and Riverview Terrace N.E.).

Approval of Agenda

Approval of Meeting Minutes

1. Approve the Minutes from the Environmental Quality and Energy Commission meeting of June 14, 2022.

New Business

2. MS4 Annual Report

Old Business

3. Energy Action Plan Updates
4. Grant Updates
5. 2022 Outreach Events

Other Items

6. Informal Status Reports

Adjournment



AGENDA REPORT

Meeting Date: July 12, 2022

Meeting Type: Environmental Quality and Energy
(EQEC) Commission

Submitted By: Rachel Workin, Environmental Planner

Title

Approve the Minutes from the Environmental Quality and Energy Commission meeting of June 14, 2022.

Background

Approve the Minutes from the Environmental Quality and Energy Commission meeting of June 14, 2022.

Recommendation

Approve the Minutes from the Environmental Quality and Energy Commission meeting of June 14, 2022.

Attachments and Other Resources

- Environmental Quality and Energy Commission Minutes- June 14, 2022.

Vision Statement

We believe Fridley will be a safe, vibrant, friendly and stable home for families and businesses.



ENVIRONMENTAL QUALITY & ENERGY COMMISSION MEETING

June 14, 2022

7:00 PM

Fridley Civic Campus, 7071 University Ave N.E.

MINUTES

Call to Order

CHAIR DRITZ called the commission to order at 7:05 PM

Present

Amy Dritz
Justin Foell
Sam Stoxen
Nick Olberding
Aaron Klemz
Rachel Workin, Environmental Planner

Approval of Agenda

MOTION by Commissioner Olberding to APPROVE the June 14, 2022, meeting agenda. SECONDED by Commissioner Foell. The MOTION PASSED unanimously.

Approval of Meeting Minutes

Commissioner Foell noted that the word "Fair" was missing from the phrase "Environmental Fun Fair" within the Outreach packet item. MOTION by Commissioner Foell to APPROVE the May 10, 2022, meeting minutes. SECONDED by Commissioner Klemz. The MOTION PASSED unanimously.

New Business

1. Recodification update

Ms. Workin provided an update on the recodification process and said that staff would next be undertaking revisions to the current Chapter 100. Commissioners discussed codes of within the chapter.

Old Business

2. Energy Action Plan Updates

Ms. Workin provided an informational update regarding the Energy Action Plan including efforts by Max Lohse to conduct business outreach, create home energy kits, and perform direct outreach to multifamily apartments.

3. Grant Updates

Ms. Workin provided an overview of the new Met Council water efficiency grant and site locations for the Lawns to Legumes grant.

4. 2022 Outreach Events

Ms. Workin shared updates on the recycling tours, the Park Plaza drop-off, and 49rs Days.

Other Items

7. Informal Status Reports

Commissioners discussed switching to the Banfill room due to the upcoming summer concert series.

Ms. Workin shared information about the book swap on July 19.

Adjournment

MOTION by Commissioner Foell to adjourn the meeting SECONDED by Commissioner Stoxen. The MOTION PASSED unanimously. The meeting was adjourned at 8:13 PM.



AGENDA REPORT

Meeting Date: July 12, 2022

Meeting Type: Environmental Quality and Energy
(EQEC) Commission

Submitted By: Rachel Workin, Environmental Planner

Title

MS4 Annual Report

Background

The City is permitted by the Minnesota Pollution Control Agency (MPCA) to operate a Municipal Separate Storm Sewer System (MS4) and discharge stormwater runoff into public waters. The City must submit an annual report demonstrating compliance with the MS4 permit. In 2020, the MPCA issued a new permit with additional requirements for permit coverage. The City received coverage under this permit in October 2021.

Staff will review the 2021 annual report, which reported activities based on the 2013 MS4 permit as well as the updated requirements of the 2020 MS4 Permit.

Recommendation

Commissioners should review and discuss.

Attachments and Other Resources

- 2021 Annual Report
- 2020 MS4 Permit from the MPCA
- The City's SWPPP can be found at FridleyMN.gov/Stormwater

Vision Statement

We believe Fridley will be a safe, vibrant, friendly and stable home for families and businesses.

Introduction: This document is a formatted version of the MS4 Annual Report for 2021, which is completed online by each MS4 permittee. This report is a summary of activities completed under the 2013 MS4 Permit (Permit) between January 1, 2021 and December 31, 2021. For more information about the annual report, please visit the Minnesota Pollution Control Agency's (MPCA) MS4 annual report website at [https://stormwater.pca.state.mn.us/index.php?title=MS4 Annual Report](https://stormwater.pca.state.mn.us/index.php?title=MS4%20Annual%20Report).

MS4 general contact information

Full name: James Kosluchar Title: Director of Public Works / City Engineer

Mailing address: 7071 University Avenue NE

City: Fridley State: MN Zip code: 55432

Phone: 763-572-3554 Email: jim.kosluchar@fridley.mn.gov

Preparer contact information (if different from the MS4 General contact)

Full name: _____ Title: _____

Organization: _____

Mailing address: _____

City: _____ State: _____ Zip code: _____

Phone: _____ Email: _____

MCM 1: Public education and outreach

The following questions refer to Part III.D.1. of the Permit.

Q2 Did you select a stormwater-related issue of high priority to be emphasized during this Permit term? [Part III.D.1.a.(1)] Yes

Q3 If "Yes" in Q2, what is your stormwater-related issue(s)?

Q3 Options	Q3 – your answers
Q3:1 TMDL(s)	
Q3:2 Local businesses	
Q3:3 Residential BMPs	Residential BMPs
Q3:4 Pet waste	
Q3:5 Yard waste	
Q3:6 Deicing materials	Deicing materials
Q3:7 Household chemicals	
Q3:8 Construction activities	
Q3:9 Post-construction activities	
Q3:10 Other	

If "Other," describe:

Q4 Have you distributed educational materials or equivalent outreach to the public focused on illicit discharge recognition and reporting? [Part III.D.1.a.(2)] Yes

Q5 Do you have an implementation plan as required by the Permit? [Part III.D.1.b.] Yes

Q6 How did you distribute educational materials or equivalent outreach? [Part III.D.1.a.]

[see table below]

Q7 For the items listed in Q6, who is the intended audience?

[see table below]

Q8 For the items listed in Q6, enter the total circulation/audience below (if unknown, use best estimate).

[see table below]

Options	Q6 – your answers	Q7	Q7	Q7	Q7	Q7	Q7	Q8
		Residents	Local businesses	Developers	Students	Employees	Other	Total
Brochure	Brochure	Residents	Local Businesses	Developers				50 est.
Newsletter	Newsletter	Residents	Local Businesses	Developers		Employees		50000 est.
Utility bill insert: merge								
Newspaper ad								
Radio ad								
Television ad								
Cable access channel	Cable access channel	Residents						5000 est.
Stormwater-related event	Stormwater-related event	Residents	Local Businesses		Students		Other	835
School project or presentation	School presentation or project				Students		Other	1868
Website	Website	Residents	Local Businesses	Developers	Students	Employees	Other	Unknown
Other (1)	Other (1)					Employees	Other	11
	Council presentations at regular and conference meetings, audience of 11 elected officials and department managers.							
Other (2)	Other (2)						Other	12
	Presentations to commissions, particularly the Environmental Quality and Energy Commission at their bi-monthly meetings, audience of 8 commissioners and staff.							
Other (3)	Other (3)	Residents					Other	5700
	describe: Social media (Facebook and Twitter)							

For Q9 and Q10 below, provide a brief description of each activity related to public education and outreach (e.g., rain garden workshop, school presentation, public works open house) held and the date each activity was held from January 1, 2021 to December 31, 2021. [Part III.D.1.c.(4)]

Q9 Date of activity	Q10 Description of activity
1/23/2021	Salting Demonstration Activity at Winterfest
3/21/2021	Blue Thumb Turf Alternatives workshop co-hosted with Rice Creek Watershed District
4/6/2021	Blue Thumb Resilient Yards workshop co-hosted with Rice Creek Watershed District
5/22/2021	Raingarden Clean-Up with Fridley Middle School Key Club
7/20/2021	Water-themed chalk art section at Chalk the Walk; brain storming for Storm Drain Stenciling event
8/22/2021	Tabling on MS4 and residential BMPs at Conocer Los Parques an event focused on engaging Latinx residents with the outdoors and park system
8/24/2021	Raingarden Clean-Up with Fridley High School
9/14/2021	Storm Drain Stenciling Event at Commons Park

Q11 Between January 1, 2021 and December 31, 2021, did you modify your BMPs, measurable goals, or future plans for your public education and outreach program? [Part IV.B.]

No

If "Yes," describe those modifications:

MCM 2: Public participation/involvement

The following questions refer to Part III.D.2.a. of the Permit.

Q12 You must provide a minimum of one opportunity each year for the public to provide input on the adequacy of your Stormwater Pollution Prevention Program (SWPPP). Did you provide this opportunity between January 1, 2021 and December 31, 2021? [Part III.D.2.a.(1)] Yes

Q13 If 'Yes' in Q12, what was the opportunity that you provided?

Q13 Options	Q13 – your answers
Q13:1 Public meeting	
Q13:2 Public event	
Q13:3 Other	Other

Q14 If 'Public meeting' in Q13, did you hold a stand-alone meeting or combine it with another event? _____

Date of the public meeting: _____

Number of citizens that attended and were informed about your SWPPP: _____

Q15 If "Public event" in Q13, describe:

Date of the public event: _____

Number of citizens that attended and were informed about your SWPPP: _____

Q16 If "Other" in Q13, describe:

Year-round link to SWPPP and directions to provide comment provided at <http://fridley.mn.gov/622/Stormwater>. Unknown number of visits, and no comments provided, so 0 is entered below.

Date of this action: 1/1/2021

Number of citizens that attended and were informed about your SWPPP: 0

Q17 Between January 1, 2021 and December 31, 2021, did you receive any input regarding your SWPPP? No

If 'Yes,' enter the total number of individuals or organizations that provided comments on your SWPPP: _____

Q18 If 'Yes' in Q17, did you modify your SWPPP as a result of written input received? [Part III.D.2.b.(2)] _____

If "Yes," describe those modifications:

Q19 Between January 1, 2021 and December 31, 2021, did you modify your BMPs, measurable goals, or future plans for your public education and outreach program? [Part IV.B.] No

If "Yes," describe those modifications:

MCM 3: Illicit discharge detection and elimination

The following questions refer to Part III.D.3. of the Permit.

Q20 Do you have a regulatory mechanism which prohibits non-stormwater discharges to your MS4? Yes

Q21 Did you identify any illicit discharges between January 1, 2021 and December 31, 2021? [Part III.D.3.h.(4)] Yes

Q22 If 'Yes' in Q21, enter the number of illicit discharges detected: 3

Q23 If 'Yes' in Q21, how did you discover these illicit discharges:

Q23 Options	Q23 – your answers
Q23:1 Public complaint	Public complaint
Q23:2 Staff	Staff

Q24 If 'Public complaint' in Q23, enter the number discovered by the public: 1

Q25 If 'Staff' in Q23, enter the number discovered by staff:

2

Q26 If 'Yes' in Q21, did any of the discovered illicit discharges result in an enforcement action (this includes verbal warnings)?

No

Q27 If 'Yes' in Q26, what type of enforcement action(s) was taken and how many of each action were issued between January 1, 2021 and December 31, 2021?

Q27 Options	Q27 – your answers	
Q27:1 Verbal warning		
Q27:2 Notice of violation		
Q27:3 Fine		
Q27:4 Criminal action		
Q27:5 Civil penalty		
Q27:6 Other		

If "Other," describe:

Q28 If 'Yes' in Q26, did the enforcement action(s) taken sufficiently address the illicit discharge(s)?

Q29 If 'No' in Q28, why was the enforcement not sufficient to address the illicit discharge(s):

Q30 Do you have written Enforcement Response Procedures (ERPs) to compel compliance with your illicit discharge regulatory mechanism(s)? [Part III.B.]

Yes

Q31 Between January 1, 2021 and December 31, 2021, did you train all field staff in illicit discharge recognition (including conditions which could cause illicit discharges) and reporting illicit discharges for further investigations? [Part III.D.3.e.]

Yes

Q32 If 'Yes' in Q31, how did you train your field staff?

Q32 Options	Q32 – your answers
Q32:1 Email	
Q32:2 PowerPoint	PowerPoint
Q32:3 Presentation	Presentation
Q32:4 Video	Video
Q32:5 Field training	Field Training
Q32:6 Other	

If "Other," describe:

The following questions refer to Part III.C.1. of the Permit.

Q33 Did you update your storm sewer system map between January 1, 2021 and December 31, 2021? [Part III.C.1.]

Yes

Q34 Does your storm sewer map include all pipes 12 inches or greater in diameter and the direction of stormwater flow in those pipes? [Part III.C.1.a.]

Yes

Q35 Does your storm sewer map include outfalls, including a unique identification (ID) number and an associated geographic coordinate? [Part III.C.1.b.]

Yes

Q36 Does your storm sewer map include all structural stormwater BMPs that are part of your MS4? [Part III.C.1.c.]

Yes

Q37 Does your storm sewer map include all receiving waters? [Part III.C.1.d.]

Yes

Q38 In what format is your storm sewer map available?

GIS

If "Other," describe:

Q39 Between January 1, 2021 and December 31, 2021, did you modify your BMPs, measurable goals, or future plans for your illicit discharge detection and elimination (IDDE) program?

No

If "Yes," describe those modifications:

MCM 4: Construction site stormwater runoff control

The following questions refer to Part III.D.4. of the Permit.

Q40 Do you have a regulatory mechanism that is at least as stringent as the Agency's general permit to Discharge Stormwater Associated with Construction Activity (CSW Permit) No. MN R100001 (<http://www.pca.state.mn.us/index.php/view-document.html?gid=18984>) for erosion and sediment controls and waste controls? [Part III.D.4.a.]

Yes

Q41 Have you developed written procedures for site plan reviews as required by the Permit? [Part III.D.4.b.]

Yes

Q42 Have you documented each site plan review as required by the Permit? [Part III.D.4.f.]

Yes

Q43 Enter the number of site plan reviews conducted for sites an acre or greater between January 1, 2021 and December 31, 2021:

8

Q44 What types of enforcement actions do you have available to compel compliance with your regulatory mechanism? Check all that apply and enter the number of each used from January 1, 2021 to December 31, 2021.

Q44 Options	Q44 – your answers	
Q44:1 Verbal warning	Verbal warnings	3
Q44:2 Notice of violation		
Q44:3 Administrative order		
Q44:4 Stop-work order		
Q44:5 Fine		
Q44:6 Forfeit of security bond money		
Q44:7 Withholding of certificate of occupancy		
Q44:8 Criminal action		
Q44:9 Civil penalty		
Q44:10 Other		

If "Other," describe:

Q45 Do you have written Enforcement Response Procedures (ERPs) to compel compliance with your construction site stormwater runoff control regulatory mechanism(s)?

Yes

Q46 Enter the number of active construction sites an acre or greater that were in your jurisdiction between January 1, 2021 and December 31, 2021:

15

Q47 Do you have written procedures for identifying priority sites for inspections? [Part III.D.4.d.(1)]

Yes

Q48 If 'Yes' in Q47, how are sites prioritized for inspections?

Q48 Options	Q48 – your answers
Q48:1 Site topography	Site topography
Q48:2 Soil characteristics	
Q48:3 Type of receiving water(s)	Types of receiving water(s)
Q48:4 Stage of construction	Stage of construction
Q48:5 Compliance history	
Q48:6 Weather conditions	
Q48:7 Citizen complaints	
Q48:8 Project size	Project size
Q48:9 Other	Other

If "Other," describe:

Proximity to receiving waters.

Q49 Do you have a checklist or other written means to document site inspections when determining

Yes

compliance? [Part III.D.4.d.(4)]

Q50 Enter the number of site inspections conducted for sites an acre or greater between January 1, 2021 and December 31, 2021:

19

Q51 Enter the frequency at which site inspections are conducted (e.g., daily, weekly, monthly): [Part III.D.4.d.(2)]:

Bi-weekly during early construction, after threshold rain events, monthly or greater when partnering on inspection with another agency

Q52 Enter the number of trained inspectors that were available for construction site inspections between January 1, 2021 and December 31, 2021:

3

Q53 Provide the contact information for the inspector(s) and/or organization that conducts construction stormwater inspections for your MS4. List your primary construction stormwater contact first if you have multiple inspectors.

1	Inspector name:	Nick Ousky
	Organization:	City of Fridley
	Office phone:	(763) 572-3554
	Work/Cell phone:	(763) 238-8059
	Email address:	nick.ousky@fridleymn.gov
	Preferred contact method:	Cellular Phone
2	Inspector name:	Nic Schmidt
	Organization:	City of Fridley
	Office phone:	(763) 572-3554
	Work/Cell phone:	(763) 238-8058
	Email address:	nic.schmidt@fridleymn.gov
	Preferred contact method:	Cellular Phone
3	Inspector name:	Brandon Brodhag
	Organization:	City of Fridley
	Office phone:	(763) 572-3554
	Work/Cell phone:	(763) 238-8086
	Email address:	brandon.brodhag@fridleymn.gov
	Preferred contact method:	Cellular Phone

Q54 What training did inspectors receive?

Q54 Options	Q54 – your answers
Q54:1 University of Minnesota Erosion and Stormwater Management Certification Program	University of Minnesota Erosion and Stormwater Management Certification Program
Q54:2 Qualified Compliance Inspector of Stormwater (QCIS)	
Q54:3 Minnesota Laborers Training Center Stormwater Pollution Prevention Plan Installer or Supervisor	
Q54:4 Minnesota Utility Contractors Association Erosion Control Training	
Q54:5 Certified Professional in Erosion and Sediment Control (CPESC)	
Q54:6 Certified Professional in Stormwater Quality (CPSWQ)	
Q54:7 Certified Erosion, Sediment and Storm Water Inspector (CESSWI)	
Q54:8 Other	

If "Other," describe:

Q55 Between January 1, 2021 and December 31, 2021, did you modify your BMPs, measurable goals, or future plans for your construction site stormwater runoff control program? [Part IV.B.]

No

If "Yes," describe those modifications:

MCM 5: Post construction stormwater management

The following questions refer to Part III.D.5. of the Permit.

Q56 Do you have a regulatory mechanism which meets all requirements as specified in Part III.D.5.a of the Permit? Yes _____

Q57 What approach are you using to meet the performance standard for Volume, Total Suspended Solids (TSS), and Total Phosphorus (TP) as required by the Permit? [Part III.D.5.a.(2)] Check all that apply. Refer to the MPCA website at <http://www.pca.state.mn.us/index.php/view-document.html?gid=17815> for guidance on stormwater management approaches.

Q57 Options	Q57 – your answers
Q57:1 Retain a runoff volume equal to one inch times the area of the proposed increase of impervious surfaces on-site	Retain a runoff volume equal to one inch times the area of the proposed increase of impervious surfaces on-site
Q57:2 Retain the post-construction runoff volume on site for the 95th percentile storm	
Q57:3 Match the pre-development runoff conditions	Match the pre-development runoff conditions
Q57:4 Adopt the Minimal Impact Design Standards (MIDS)	
Q57:5 An approach has not been selected	
Q57:6 Other method (Must be technically defensible--e.g., based on modeling, research and acceptable engineering practices)	

If "Other," describe:

Q58 Do you have written Enforcement Response Procedures (ERPs) to compel compliance with your post-construction stormwater management regulatory mechanism(s)? [Part III.B.] Yes _____

Q59 Between January 1, 2021 and December 31, 2021, did you modify your BMPs, measurable goals, or future plans for your post-construction site stormwater management program? [Part IV.B.] No _____

If "Yes," describe those modifications:

MCM 6: Pollution prevention/good housekeeping for municipal operations

The following questions refer to Part III.D.6. of the Permit.

Q60 Enter the total number of structural stormwater BMPs, outfalls (excluding underground outfalls), and ponds within your MS4 (exclude privately owned).

Q60:a Structural stormwater BMPs

31

Q60:b Outfalls

107

Q60:c Ponds

65

Q61 Enter the number of structural stormwater BMPs, outfalls (excluding underground outfalls), and ponds that were inspected from January 1, 2021 to December 31, 2021, within your MS4 (exclude privately owned). [Part III.D.6.e.]

Q61:a Structural stormwater BMPs

15

Q61:b Outfalls

50

Q61:c Ponds

25

Q62 Have you developed an alternative inspection frequency for any structural stormwater BMPs, as allowed in Part III.D.6.e.(1) of the Permit? No _____

Q63 Based on inspection findings, did you conduct any maintenance on any structural stormwater BMPs? [Part III.D.6.e.(1)] Yes _____

Q64 If 'Yes,' briefly describe the maintenance that was conducted:

Removed sediment from structural BMPs and ponds. Repair and replacement of outfalls and BMPs. Monitored, cleaned, and tilled iron-enhanced sand filters.

- Q65 Do you own or operate any stockpiles, and/or storage and material handling areas?
[Part III.D.6.e.(3)] Yes
- Q66 If 'Yes' in Q65, did you inspect all stockpiles and storage and material handling areas quarterly?
[Part III.D.6.e.(3)] Yes
- Q67 If 'Yes' in Q66, based on inspection findings, did you conduct maintenance at any of the stockpiles
and/or storage and material handling areas? Yes
- Q68 If 'Yes' in Q67, briefly describe the maintenance that was conducted:
Replaced sediment control structures and swept.
- Q69 Between January 1, 2021 and December 31, 2021, did you modify your BMPs, measurable goals,
or future plans for your pollution prevention/good housekeeping for municipal operations program?
[Part IV.B.] No
- If 'Yes' in Q69, describe those modifications:

Discharges to impaired waters with an USEPA-approved TMDL that includes an applicable WLA

If required, you must complete the TMDL Annual Report Form, available on the MPCA's website at
https://stormwater.pca.state.mn.us/index.php?title=Download_page_with_TMDL_forms.

Attach your completed TMDL Annual Report Form as instructed in the online Annual Report. [Part III.E]

- Q71 If a file was successfully uploaded, a reference number will appear:

Alum or Ferric Chloride Phosphorus Treatment Systems (not required)

The following questions refer to Part III.F.3.a. of the Permit. Provide the information below as it pertains to your alum or ferric chloride phosphorus treatment system.

- Q72 Date(s) of operation (mm/dd/yyyy - mm/dd/yyyy)

January	_____
February	_____
March	_____
April	_____
May	_____
June	_____
July	_____
August	_____
September	_____
October	_____
November	_____
December	_____

	Q73	Q74	Q75	Q76
Month	Chemical(s) used for treatment	Gallons of alum or ferric chloride treatment	Gallons of water treated	Calculated pounds of phosphorus removed
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				

November					Item 2.
December					

Q77 Any performance issues and corrective action(s), including the date(s) when corrective action(s) were taken, between January 1, 2021 and December 31, 2021:

Partnerships

Q78 Did you rely on any other regulated MS4s to satisfy one or more Permit requirements? No

Q79 If 'Yes' in Q78, describe the agreements you have with other regulated MS4s and which Permit requirements the other regulated MS4s help satisfy: [Part IV.B.6.]

Additional information

If you would like to provide any additional files to accompany your annual report, use the space below to upload those files. For each space, you may attach one file. You may provide additional explanation and/or information in an email with the subject YourMS4NameHere_2021AR to ms4permitprogram.pca@state.mn.us.

Q80 If a file was successfully uploaded, a reference number will appear:

Q81 If a file was successfully uploaded, a reference number will appear:

Q82 If a file was successfully uploaded, a reference number will appear:

Q83 Optional, describe the file(s) uploaded:

Not a file, just a note: While we did not rely on other agencies to fulfill our MS4 requirements with any formal agreements, we did partner with the Coon Creek Watershed District, Rice Creek Watershed District, Mississippi Watershed Management Organization, Anoka Conservation District, and Anoka County Health Department to provide additional strength to our MCMs during the year. Many of their educational efforts reach our MS4 residents and businesses, they provide additional IDDE program support and supplementary oversight, monitoring assistance and inspections for construction and post-construction activities, and BMP inspections.

Owner of operator certification

The person with overall administrative responsibility for SWPPP implementation and Permit compliance must certify this MS4 Annual Report. This person must be duly authorized and should be either a principal executive (i.e., Director of Public Works, City Administrator) or ranking elected official (i.e., Mayor, Township Supervisor).

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. 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 (Minn. R. 7001.0070). I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment (Minn. R. 7001.0540)?

Yes

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 information can be used for the purpose of processing my MS4 Annual Report.

Name: James Kosluchar

Title: Director of Public Works / City Engineer

Date: 6/30/2022

**AUTHORIZATION TO DISCHARGE STORMWATER
ASSOCIATED WITH SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS
UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)/
STATE DISPOSAL SYSTEM (SDS) PROGRAM
MNR040000**

Permittee: Multiple
General Permit name: Small Municipal Separate Storm Sewer Systems General Permit
Issuance date: November 16, 2020
Expiration date: November 15, 2025

The state of Minnesota, on behalf of its citizens through the Minnesota Pollution Control Agency (MPCA), authorizes the Permittee to operate a small municipal separate storm sewer system (MS4) and to discharge from the small MS4 to receiving waters, in accordance with the requirements of the General Permit.

The goal of the General Permit is to reduce pollutant levels in point source discharges and protect water quality in accordance with the U.S. Clean Water Act, Minnesota statutes and rules, and federal laws and regulations.

The General Permit is effective on the issuance date identified above. The General Permit expires at midnight on the expiration date identified above.

Signature: *Dana A. Vanderbosch* *for the Minnesota Pollution Control Agency*

This document has been electronically signed.

Dana A. Vanderbosch
Division Director
Municipal Division

If you have questions about the General Permit, including specific permit requirements, permit reporting, or permit compliance status, please contact the MPCA at:

Municipal Stormwater Program
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194
Telephone: 651-296-6300 or toll free in Minnesota: 800-657-3864

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1.1	Eligibility. [Minn. R. 7090]
1.2	To be eligible for authorization to discharge stormwater under the Small Municipal Separate Storm Sewer Systems General Permit (General Permit), the applicant must be an owner and/or operator (owner/operator) of a small Municipal Separate Storm Sewer System (MS4) and meet one or more of the criteria requiring permit issuance as specified in Minn. R. 7090.1010. [Minn. R. 7090.1010]
2.1	Authorized Stormwater Discharges. [Minn. R. 7090]
2.2	The General Permit authorizes stormwater discharges from small MS4s as defined in 40 CFR 122.26(b)(16). [Minn. R. 7090]
3.1	Authorized Non-Stormwater Discharges. [Minn. R. 7090]
3.2	The following categories of non-stormwater discharges or flows are authorized under the General Permit to enter the permittee's small MS4 only if the permittee does not identify them as significant contributors of pollutants (i.e., illicit discharges), in which case the discharges or flows must be addressed in the permittee's Stormwater Pollution Prevention Program (SWPPP): water line flushing, landscape irrigation, diverted stream flows, rising groundwaters, uncontaminated groundwater infiltration (as defined at 40 CFR 35.2005(b)(20)), uncontaminated pumped groundwater, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool discharges, street wash water, and discharges or flows from firefighting activities. [Minn. R. 7090]
4.1	Limitations on Authorization. [Minn. R. 7090]
4.2	The following discharges or activities are not authorized by the General Permit: a. non-stormwater discharges, except those authorized by the permittee in item 3.2; b. discharges of stormwater to the small MS4 from activities requiring a separate NPDES/SDS permit. The General Permit does not replace or satisfy any other permitting requirements; c. the General Permit does not replace or satisfy any environmental review requirements, including those under the Minnesota Environmental Policy Act (Minn. Stat. 116D), or the National Environmental Policy Act (42 U.S.C. 4321 et seq.); d. the General Permit does not replace or satisfy any review requirements for endangered or threatened species, from new or expanded discharges that adversely impact or contribute to adverse impacts on a listed endangered or threatened species, or adversely modify a designated critical habitat; e. the General Permit does not replace or satisfy any review requirements for historic places or archeological sites, from new or expanded discharges which adversely affect properties listed or eligible for listing in the National Register of Historic Places or affecting known or discovered archeological sites; and f. discharges to prohibited outstanding resource value waters pursuant to Minn. R. 7050.0335, Subp. 3. Only the permittee's small MS4 and the portions of the storm sewer system that are under the permittee's operational control are authorized by the General Permit. [Minn. R. 7090]
5.1	Permit Authorization. [Minn. R. 7001]
5.2	The applicant must submit a complete application in accordance with Sections 9 through 12 in order to obtain authorization to discharge stormwater from a small MS4 under the General Permit. [Minn. R. 7001]
5.3	The Commissioner reviews the General Permit application for completeness. After review, the Commissioner will do one of the following: a. if an application is determined to be incomplete, the Commissioner will notify the applicant in writing, indicate why the application is incomplete, and request that the applicant resubmit the application; or b. if an application is determined to be complete, the Commissioner will make a preliminary determination as to whether coverage under the General Permit should be issued or denied in accordance with Minn. R. 7001. [Minn. R. 7001]
5.4	The Commissioner provides a public notice with the opportunity for a hearing on the preliminary determination to issue coverage under the General Permit. [Minn. R. 7001]
5.5	Upon receipt of written notification of final approval of the application from the Commissioner, the applicant is authorized to discharge stormwater from the small MS4 under the terms and conditions of the General Permit. [Minn. R. 7001]

6.1	Transfer of Ownership or Control. [Minn. R. 7001, Minn. R. 7090.0080]
6.2	Where the ownership or significant operational control of the small MS4 changes after the submittal of an application in accordance with Sections 9 through 12, the new owner/operator must submit a new application in accordance with Sections 9 through 12. [Minn. R. 7090]
7.1	Issuance of Individual Permits. [Minn. R. 7001]
7.2	The permit applicant may request an individual permit in accordance with Minn. R. 7001.0210, Subp. 6, for authorization to discharge stormwater associated with a small MS4. [Minn. R. 7001.0210, Subp. 6]
7.3	The Commissioner may require an individual permit for the permit applicant or permittee covered by a general permit, in accordance with Minn. R. 7001.0210, Subp. 6. [Minn. R. 7001.0210, Subp. 6]
8.1	Rights and Responsibilities. [Minn. R. 7001, Minn. R. 7090]
8.2	The Commissioner may modify the General Permit or issue other permits, in accordance with Minn. R. 7001, to include more stringent effluent limitations or permit requirements that modify or are in addition to the Minimum Control Measures of the General Permit, or both. These modifications may be based on the Commissioner's determination that such modifications are needed to protect water quality. [Minn. R. 7001]
8.3	The Commissioner may designate additional small MS4s for coverage under the General Permit in accordance with Minn. R. 7090. The owner/operator of a small MS4 that is designated for coverage must comply with the permit requirements by the dates specified in the Commissioner's determination. [Minn. R. 7090]
9.1	Application for Reissuance. [Minn. R. 7001]
9.2	If an existing permittee desires to continue permit coverage beyond the expiration date, the permittee must submit an application for permit reissuance : Due by 180 days prior to permit expiration. [Minn. R. 7001.0040, Subp. 3]
10.1	New Permittee Applicants. [Minn. R. 7090]
10.2	To become a new permittee authorized to discharge stormwater under the General Permit, the owner/operator of a small MS4 must submit an application, on a form provided by the Agency, in accordance with the schedule in Appendix B, Table 3, and the following requirements: a. submit Part 1 of the permit application (includes the permit application fee); and b. submit Part 2 of the permit application, also known as the Stormwater Pollution Prevention Program (SWPPP) document, in accordance with Section 12. [Minn. R. 7090]
11.1	Existing Permittee Applicants. [Minn. R. 7090]
11.2	All existing permittees seeking to continue discharging stormwater associated with a small MS4 after the issuance date of the General Permit must submit Part 2 of the permit application : Due by 150 days after permit issuance. Existing permittees were required to submit Part 1 of the permit application prior to the expiration date (July 31, 2018) of the Agency's small MS4 general permit No.MNR040000, effective August 1, 2013. [Minn. R. 7090]
12.1	Stormwater Pollution Prevention Program (SWPPP) Document. [Minn. R. 7090]
12.2	All applicants must submit a SWPPP Document (i.e., Part 2 of the permit application) when seeking coverage under the General Permit. The SWPPP Document will become an enforceable part of the General Permit upon approval by the Agency. Modifications to the SWPPP Document that are required or allowed by the General Permit (see Section 24) will also become enforceable provisions. The applicant must submit the SWPPP Document on a form provided by the Agency. The applicant's SWPPP Document must include items 12.3 through 12.11, as applicable. [Minn. R. 7090]
12.3	The applicant must provide a description of partnerships with another regulated small MS4(s), into which the applicant has entered in order to satisfy one or more requirements of the General Permit. [Minn. R. 7090]
12.4	The applicant must provide a description of each program the applicant has developed and implemented to satisfy the Minimum Control Measure (MCM) requirements, including: a. the Best Management Practices (BMPs) the applicant has implemented for each MCM at the time of application; b. the status of each required component of the program; and c. name(s) of individual(s) or position titles responsible for implementing and/or coordinating each component of the program.

	If the program has not been developed at the time of application (e.g., new permittee applicants), or revised to meet new requirements of the General Permit (e.g., existing permittee applicants); the applicant must satisfy the permit requirements in accordance with the schedule in Appendix B, Table 2 (existing permittee applicants), or Table 3 (new permittee applicants). [Minn. R. 7090]
12.5	The applicant must indicate whether each storm sewer system map requirement of Section 14 is satisfied at the time of application. For each requirement of Section 14 that is not satisfied at the time of application, the applicant must satisfy the permit requirements in accordance with the schedule in Appendix B, Table 2 (existing permittee applicants), or Table 3 (new permittee applicants). [Minn. R. 7090]
12.6	The applicant must provide a description of existing regulatory mechanism(s) the applicant has developed, implemented, and enforced to satisfy the requirements of Sections 18, 19, and 20. At a minimum, the applicant must provide the following information: a. the type(s) of regulatory mechanism(s) the applicant has in place at the time of application that will be used to satisfy the requirements; b. the status of each required component of the regulatory mechanism(s); and c. if available, a website address to the regulatory mechanism(s). If the regulatory mechanism(s) have not been developed at the time of application (e.g., new permittee applicants), or revised to meet new requirements of the General Permit (e.g., existing permittee applicants); the applicant must satisfy the permit requirements in accordance with the schedule in Appendix B, Table 2 (existing permittee applicants), or Table 3 (new permittee applicants). [Minn. R. 7090]
12.7	The applicant must provide a description of existing enforcement response procedures (ERPs) the applicant has developed and implemented that satisfy the ERP requirements of items 18.14, 19.12, and 20.19. If the applicant has not yet developed ERPs (e.g., new permittee applicants), or existing ERPs must be updated to satisfy new requirements, the applicant must satisfy the permit requirements in accordance with the schedule in Appendix B, Table 2 (existing permittee applicants), or Table 3 (new permittee applicants). [Minn. R. 7090]
12.8	The applicant must submit a compliance schedule for each applicable Waste Load Allocation (WLA) not being met for oxygen demand, nitrate, total suspended solids (TSS), and total phosphorus (TP). The applicant may develop a compliance schedule to include multiple WLAs. The applicant's compliance schedule must include the following information: a. proposed BMPs or progress toward implementation of BMPs to be achieved during the permit term; b. the year each BMP is expected to be implemented; c. a target year the applicable WLA(s) will be achieved; and d. if the applicant has an applicable WLA for TSS or TP, a cumulative estimate of TSS and TP load reductions (in pounds) to be achieved during the permit term and the Agency-approved method used to determine the estimate. Agency-approved methods include "Program for Predicting Polluting Particle Passage thru Pits, Puddles, and Ponds (P8) Urban Catchment Model", "Source Loading and Management Model for Windows (WinSLAMM)", "Minimal Impact Design Standards (MIDS) calculator", "Minnesota Pollution Control Agency (MPCA) simple estimator tool", or any other method that receives Agency-approval. [Minn. R. 7090]
12.9	For each applicable WLA where a reduction in pollutant loading is required for bacteria, chloride, and temperature, the applicant must provide a description of any existing BMPs the applicant has developed and implemented to satisfy the requirements of items 22.3 through 22.7, including: a. the BMPs the applicant has implemented for each required component at the time of application; b. the status of each required component; and c. name(s) of individual(s) or position titles responsible for implementing and/or coordinating each required component. If the required components have not been developed at the time of application (e.g., new permittee applicants), or revised to meet new requirements of the General Permit (e.g., existing permittee applicants); the applicant must satisfy the permit requirements in accordance with the schedule in Appendix B, Table 2 (existing permittee applicants), or Table 3 (new permittee applicants). [Minn. R. 7090]

- 12.10 If the applicant is claiming to meet an applicable WLA where a reduction in pollutant loading is required for oxygen demand, nitrate, TSS, or TP, the applicant must provide documentation to demonstrate the applicable WLA is being met. At a minimum, the applicant must provide the following information:
- a. a list of all structural stormwater BMPs implemented to achieve the applicable WLA, including the BMP type (e.g., constructed basin, infiltrator, filter, swale or strip, etc.), location in geographic coordinates, owner, and year implemented; and
 - b. documentation using an Agency-approved method, which demonstrates the estimated reductions of oxygen demand (or its surrogate pollutants), nitrate, TSS, or TP from BMPs meet the MS4 WLA reductions included in the TMDL report, if that information is available (e.g., percent reduction or pounds reduced); or
 - c. documentation using an Agency-approved method, which demonstrates the applicant's existing load meets the WLA. [Minn. R. 7090]
- 12.11 For the requirements of Section 23, alum or ferric chloride phosphorus treatment systems, if applicable, the applicant must submit the following information:
- a. location of the system in geographic coordinates;
 - b. name(s) of the individual(s) or position titles responsible for the operation of the system;
 - c. information described in item 23.11, if the system is constructed at the time the applicant submits the application to the Agency;
 - d. indicate if the system complies with the requirements in Section 23; and
 - e. if applicable, for each requirement in Section 23 that the applicant's system does not comply with at the time of application, the applicant must bring the system into compliance in accordance with the schedule in Appendix B, Table 2 (existing permittee applicants), or Table 3 (new permittee applicants). [Minn. R. 7090]
- 13.1 **Stormwater Pollution Prevention Program (SWPPP).** [Minn. R. 7090]
- 13.2 The permittee must develop, implement, and enforce a SWPPP designed to reduce the discharge of pollutants from the small MS4 to the Maximum Extent Practicable (MEP) and to protect water quality. Existing permittees regulated within the urbanized area as defined by the United States Census Bureau, the applicable urbanized area for which the permittee must develop, implement, and enforce a SWPPP can be based on the most recent decennial census of 2010 for the duration of the General Permit. [Minn. R. 7090]
- 13.3 If the permittee enters into a partnership for purposes of meeting SWPPP requirements, the permittee maintains legal responsibility for compliance with the General Permit. [Minn. R. 7090]
- 13.4 Existing permittees must revise their SWPPP developed under the Agency's small MS4 general permit No.MNR040000 that was effective August 1, 2013, to meet the requirements of the General Permit in accordance with the schedule in Appendix B, Table 2. New permittees must develop, implement, and enforce their SWPPP in accordance with the schedule in Appendix B, Table 3. The permittee's SWPPP must consist of Sections 14 through 23, as applicable. [Minn. R. 7090]
- 14.1 **Mapping.** [Minn. R. 7090]
- 14.2 New permittees must develop, and existing permittees must update, as necessary, a storm sewer system map that depicts the following:
- a. the permittee's entire MS4 as a goal, but at a minimum, all pipes 12 inches or greater in diameter, including stormwater flow direction in those pipes;
 - b. outfalls, including a unique identification (ID) number assigned by the permittee, and an associated geographic coordinates;
 - c. structural stormwater BMPs that are part of the permittee's MS4; and
 - d. all receiving waters. [Minn. R. 7090]
- 15.1 **Minimum Control Measures (MCMs).** [Minn. R. 7090.1040]
- 15.2 The permittee must incorporate the following six MCMs into the SWPPP. [Minn. R. 7090.1040]
- 16.1 **MCM 1: Public Education and Outreach.** [Minn. R. 7090]
- 16.2 New permittees must develop and implement, and existing permittees must revise their current program, as necessary, and continue to implement, a public education program to distribute educational materials or equivalent outreach that informs the public of the impact stormwater discharges have on waterbodies and that includes actions citizens, businesses, and

	other local organizations can take to reduce the discharge of pollutants to stormwater. The permittee may use existing materials if they are appropriate for the message the permittee chooses to deliver, or the permittee may develop its own educational materials. The permittee may partner with other MS4 permittees, community groups, watershed management organizations, or other groups to implement its education and outreach program. The permittee must incorporate Section 16 requirements into their program. [Minn. R. 7090]
16.3	During the permit term, the permittee must distribute educational materials or equivalent outreach focused on at least two (2) specifically selected stormwater-related issues of high priority to the permittee (e.g., specific TMDL reduction targets, changing local business practices, promoting adoption of residential BMPs, lake improvements through lake associations, household chemicals, yard waste, etc.). The topics must be different from those described in items 16.4 through 16.6. [Minn. R. 7090]
16.4	At least once each calendar year, the permittee must distribute educational materials or equivalent outreach focused on illicit discharge recognition and reporting illicit discharges to the permittee. [Minn. R. 7090]
16.5	For cities and townships, at least once each calendar year, the permittee must distribute educational materials or equivalent outreach to residents, businesses, commercial facilities, and institutions, focused on the following: a. impacts of deicing salt use on receiving waters; b. methods to reduce deicing salt use; and c. proper storage of salt or other deicing materials. [Minn. R. 7090]
16.6	For cities and townships, at least once each calendar year, the permittee must distribute educational materials or equivalent outreach focused on pet waste. The educational materials or equivalent outreach must include information on the following: a. impacts of pet waste on receiving waters; b. proper management of pet waste; and c. any existing permittee regulatory mechanism(s) for pet waste. [Minn. R. 7090]
16.7	The permittee must develop and implement an education and outreach plan that consists of the following: a. target audience(s) (e.g., residents, businesses, commercial facilities, institutions, and local organizations; consideration should be given to low-income residents, people of color, and non-native English speaking residents. A resource to help identify these areas is available on the Agency's environmental justice website); b. name or position title of responsible person(s) for overall plan implementation; c. specific activities and schedules to reach each target audience; and d. a description of any coordination with and/or use of stormwater education and outreach programs implemented by other entities, if applicable. [Minn. R. 7090]
16.8	The permittee must document the following information: a. a description of all specific stormwater-related issues identified by the permittee in item 16.3; b. all information required under the permittee's education and outreach plan in item 16.7; c. activities held, including dates, to reach each target audience; d. quantities and descriptions of educational materials distributed, including dates distributed; and e. estimated audience (e.g., number of participants, viewers, readers, listeners, etc.) for each completed education and outreach activity. [Minn. R. 7090]
16.9	The permittee must conduct an annual assessment of the public education program to evaluate program compliance, the status of achieving the measurable requirements in Section 16, and determine how the program might be improved. Measurable requirements are activities that must be documented or tracked as applicable to the MCM (e.g., education and outreach efforts, implementation of written plans, etc.). The permittee must perform the annual assessment prior to completion of each annual report and document any modifications made to the program as a result of the annual assessment. [Minn. R. 7090]
17.1	MCM 2: Public Participation/Involvement. [Minn. R. 7090]
17.2	New permittees must develop and implement, and existing permittees must revise their current program, as necessary, and continue to implement, a Public Participation/Involvement program to solicit public input on the SWPPP and involve the public in activities that improve or protect water quality. The permittee must incorporate Section 17 requirements into

	their program. [Minn. R. 7090]
17.3	Each calendar year, the permittee must provide a minimum of one (1) opportunity for the public to provide input on the adequacy of the SWPPP. The permittee may conduct a public meeting(s) to satisfy this requirement, provided appropriate local public notice requirements are followed and the public is given the opportunity to review and comment on the SWPPP. [Minn. R. 7090]
17.4	The permittee must provide access to the SWPPP Document, annual reports, and other documentation that supports or describes the SWPPP (e.g., regulatory mechanism(s), etc.) for public review, upon request. All public data requests are subject to the Minnesota Government Data Practices Act, Minn. Stat. 13. [Minn. Stat. 13]
17.5	The permittee must consider oral and written input regarding the SWPPP submitted by the public to the permittee. [Minn. R. 7090]
17.6	Each calendar year, the permittee must provide a minimum of one (1) public involvement activity that includes a pollution prevention or water quality theme (e.g., rain barrel distribution event, rain garden workshop, cleanup event, storm drain stenciling, volunteer water quality monitoring, adopt a storm drain program, household hazardous waste collection day, etc.). [Minn. R. 7090]
17.7	The permittee must document the following information: a. all relevant written input submitted by persons regarding the SWPPP; b. all responses from the permittee to written input received regarding the SWPPP, including any modifications made to the SWPPP as a result of the written input received; c. date(s), location(s), and estimated number of participants at events held for purposes of compliance with item 17.3; d. notices provided to the public of any events scheduled to meet item 17.3, including any electronic correspondence (e.g., website, e-mail distribution lists, notices, etc.); and e. date(s), location(s), description of activities, and estimated number of participants at events held for the purpose of compliance with item 17.6. [Minn. R. 7090]
17.8	The permittee must conduct an annual assessment of the Public Participation/Involvement program to evaluate program compliance, the status of achieving the measurable requirements in Section 17, and determine how the program might be improved. Measurable requirements are activities that must be documented or tracked as applicable to the MCM (e.g., public input and involvement opportunities, etc.). The permittee must perform the annual assessment prior to completion of each annual report and document any modifications made to the program as a result of the annual assessment. [Minn. R. 7090]
18.1	MCM 3: Illicit Discharge Detection and Elimination (IDDE). [Minn. R. 7090]
18.2	New permittees must develop, implement, and enforce, and existing permittees must revise their current program as necessary, and continue to implement and enforce, a program to detect and eliminate illicit discharges into the MS4. The permittee must incorporate Section 18 requirements into their program. [Minn. R. 7090]
18.3	The permittee must maintain a map of the permittee's MS4, as required in Section 14. [Minn. R. 7090]
18.4	To the extent allowable under state or local law, the permittee must develop, implement, and enforce a regulatory mechanism(s) that prohibits non-stormwater discharges into the permittee's MS4, except those non-stormwater discharges authorized in item 3.2. A regulatory mechanism(s) for the purposes of the General Permit may consist of contract language, an ordinance, permits, standards, written policies, operational plans, legal agreements, or any other mechanism, that will be enforced by the permittee. The regulatory mechanism(s) must also include items 18.5 and 18.6, as applicable. [Minn. R. 7090]
18.5	For cities, townships, and counties, the permittee's regulatory mechanism(s) must require owners or custodians of pets to remove and properly dispose of feces on permittee owned land areas. [Minn. R. 7090]
18.6	For cities and townships, the permittee's regulatory mechanism(s) must require proper salt storage at commercial, institutional, and non-NPDES permitted industrial facilities. At a minimum, the regulatory mechanism(s) must require the following: a. designated salt storage areas must be covered or indoors; b. designated salt storage areas must be located on an impervious surface; and c. implementation of practices to reduce exposure when transferring material in designated salt storage areas (e.g., sweeping, diversions, and/or containment). [Minn. R. 7090]

- 18.7 The permittee must incorporate illicit discharge detection into all inspection and maintenance activities conducted in items 21.9, 21.10, and 21.11. Where feasible, the permittee must conduct illicit discharge inspections during dry-weather conditions (e.g., periods of 72 or more hours of no precipitation). [Minn. R. 7090]
- 18.8 At least once each calendar year, the permittee must train all field staff in illicit discharge recognition (including conditions which could cause illicit discharges), and reporting illicit discharges for further investigation. Field staff includes, but is not limited to, police, fire department, public works, and parks staff. Training for this specific requirement may include, but is not limited to, videos, in-person presentations, webinars, training documents, and/or emails. [Minn. R. 7090]
- 18.9 The permittee must ensure that individuals receive training commensurate with their responsibilities as they relate to the permittee's IDDE program. Individuals includes, but is not limited to, individuals responsible for investigating, locating, eliminating illicit discharges, and/or enforcement. The permittee must ensure that previously trained individuals attend a refresher-training every three (3) calendar years following the initial training. [Minn. R. 7090]
- 18.10 The permittee must maintain a written or mapped inventory of priority areas the permittee identifies as having a higher likelihood for illicit discharges. At a minimum, the permittee must evaluate the following for potential inclusion in the inventory:
- a. land uses associated with business/industrial activities;
 - b. areas where illicit discharges have been identified in the past; and
 - c. areas with storage of significant materials that could result in an illicit discharge. [Minn. R. 7090]
- 18.11 To the extent allowable under state or local law, the permittee must conduct additional illicit discharge inspections in areas identified in item 18.10. [Minn. R. 7090]
- 18.12 The permittee must implement written procedures for investigating, locating, and eliminating the source of illicit discharges. At a minimum, the written procedures must include:
- a. a timeframe in which the permittee will investigate a reported illicit discharge;
 - b. use of visual inspections to detect and track the source of an illicit discharge;
 - c. tools available to the permittee to investigate and locate an illicit discharge (e.g., mobile cameras, collecting and analyzing water samples, smoke testing, dye testing, etc.);
 - d. cleanup methods available to the permittee to remove an illicit discharge or spill; and
 - e. name or position title of responsible person(s) for investigating, locating, and eliminating an illicit discharge. [Minn. R. 7090]
- 18.13 The permittee must implement written procedures for responding to spills, including emergency response procedures to prevent spills from entering the MS4. The written procedures must also include the immediate notification of the Minnesota Department of Public Safety Duty Officer at 1-800-422-0798 (toll free) or 651-649-5451 (Metro area), if the source of the illicit discharge is a spill or leak as defined in Minn. Stat. 115.061. [Minn. R. 7090]
- 18.14 The permittee must maintain written enforcement response procedures (ERPs) to compel compliance with the permittee's regulatory mechanism(s) in Section 18. At a minimum, the written ERPs must include:
- a. a description of enforcement tools available to the permittee and guidelines for the use of each tool;
 - b. timeframes to complete corrective actions; and
 - c. name or position title of responsible person(s) for conducting enforcement. [Minn. R. 7090]
- 18.15 The permittee must document the following information:
- a. date(s) and location(s) of IDDE inspections conducted in accordance with items 18.7 and 18.11;
 - b. reports of alleged illicit discharges received, including date(s) of the report(s), and any follow-up action(s) taken by the permittee;
 - c. date(s) of discovery of all illicit discharges;
 - d. identification of outfalls, or other areas, where illicit discharges have been discovered;
 - e. sources (including a description and the responsible party) of illicit discharges (if known); and
 - f. action(s) taken by the permittee, including date(s), to address discovered illicit discharges. [Minn. R. 7090]
- 18.16 For each training in item 18.8 and 18.9, the permittee must document:

	a. general subject matter covered; b. names and departments of individuals in attendance; and c. date of each event. [Minn. R. 7090]
18.17	The permittee must document any enforcement conducted pursuant to the ERPs in item 18.14, including verbal warnings. At a minimum, the permittee must document the following: a. name of the person responsible for violating the terms and conditions of the permittee's regulatory mechanism(s); b. date(s) and location(s) of the observed violation(s); c. description of the violation(s); d. corrective action(s) (including completion schedule) issued by the permittee; e. referrals to other regulatory organizations (if any); and f. date(s) violation(s) resolved. [Minn. R. 7090]
18.18	The permittee must conduct an annual assessment of the IDDE program to evaluate program compliance, the status of achieving the measurable requirements in Section 18, and determine how the program might be improved. Measurable requirements are activities that must be documented or tracked as applicable to the MCM (e.g., trainings, inventory, inspections, enforcement, etc.). The permittee must perform the annual assessment prior to completion of each annual report and document any modifications made to the program as a result of the annual assessment. [Minn. R. 7090]
19.1	MCM 4: Construction Site Stormwater Runoff Control. [Minn. R. 7090]
19.2	New permittees must develop, implement, and enforce, and existing permittees must revise their current program, as necessary, and continue to implement and enforce, a Construction Site Stormwater Runoff Control program. The program must address construction activity with a land disturbance of greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, within the permittee's jurisdiction and that discharge to the permittee's MS4. The permittee must incorporate Section 19 requirements into their program. [Minn. R. 7090]
19.3	To the extent allowable under state or local law, the permittee must develop, implement, and enforce a regulatory mechanism(s) that establishes requirements for erosion, sediment, and waste controls that is at least as stringent as the Agency's most current Construction Stormwater General Permit (MNR100001), herein referred to as the CSW Permit. A regulatory mechanism(s) for the purposes of the General Permit may consist of contract language, an ordinance, permits, standards, written policies, operational plans, legal agreements, or any other mechanism, that will be enforced by the permittee. [Minn. R. 7090]
19.4	When the CSW Permit is reissued, the permittee must revise their regulatory mechanism(s), if necessary, within 12 months of the issuance date of that permit, to be at least as stringent as the requirements for erosion, sediment, and waste controls described in the CSW Permit. [Minn. R. 7090]
19.5	The permittee's regulatory mechanism(s) must require that owners and operators of construction activity develop site plans that must be submitted to the permittee for review and confirmation that regulatory mechanism(s) requirements have been met, prior to the start of construction activity. The regulatory mechanism(s) must require the owners and operators of construction activity to keep site plans up-to-date with regard to stormwater runoff controls. The regulatory mechanism(s) must require that site plans incorporate the following erosion, sediment, and waste controls that are at least as stringent as described in the CSW Permit: a. erosion prevention practices; b. sediment control practices; c. dewatering and basin draining; d. inspection and maintenance; e. pollution prevention management measures; f. temporary sediment basins; and g. termination conditions. [Minn. R. 7090]
19.6	The permittee must implement written procedures for site plan reviews conducted by the permittee prior to the start of all construction activity, to ensure compliance with requirements of the regulatory mechanism(s). At a minimum, the procedures must include: a. written notification to owners and operators proposing construction activity, including projects less than one acre that

	are part of a larger common plan of development or sale, of the need to apply for and obtain coverage under the CSW Permit; and b. use of a written checklist, consistent with the requirements of the regulatory mechanism(s), to document the adequacy of each site plan required in item 19.5. [Minn. R. 7090]
19.7	The permittee must implement an inspection program that includes written procedures for conducting site inspections, to determine compliance with the permittee's regulatory mechanism(s). The inspection program must also meet the requirements in items 19.8 and 19.9. [Minn. R. 7090]
19.8	The permittee must maintain written procedures for identifying high-priority and low-priority sites for inspection. At a minimum, the written procedures must include: a. a detailed explanation describing how sites will be categorized as either high-priority or low-priority; b. a frequency at which the permittee will conduct inspections for high-priority sites; c. a frequency at which the permittee will conduct inspections for low-priority sites; and d. the name(s) of individual(s) or position title(s) responsible for conducting site inspections. [Minn. R. 7090]
19.9	The permittee must implement a written checklist to document each site inspection when determining compliance with the permittee's regulatory mechanism(s). At a minimum, the checklist must include the permittee's inspection findings on the following areas, as applicable to each site: a. stabilization of exposed soils (including stockpiles); b. stabilization of ditch and swale bottoms; c. sediment control BMPs on all downgradient perimeters of the project and upgradient of buffer zones; d. storm drain inlet protection; e. energy dissipation at pipe outlets; f. vehicle tracking BMPs; g. preservation of a 50 foot natural buffer or redundant sediment controls where stormwater flows to a surface water within 50 feet of disturbed soils; h. owner/operator of construction activity self-inspection records; i. containment for all liquid and solid wastes generated by washout operations (e.g., concrete, stucco, paint, form release oils, curing compounds, and other construction materials); and j. BMPs maintained and functional. [Minn. R. 7090]
19.10	The permittee must implement 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. [Minn. R. 7090]
19.11	The permittee must ensure that individuals receive training commensurate with their responsibilities as they relate to the permittee's Construction Site Stormwater Runoff Control program. Individuals includes, but is not limited to, individuals responsible for conducting site plan reviews, site inspections, and/or enforcement. The permittee must ensure that previously trained individuals attend a refresher-training every three (3) calendar years following the initial training. [Minn. R. 7090]
19.12	The permittee must maintain written enforcement response procedures (ERPs) to compel compliance with the permittee's regulatory mechanism(s) in item 19.3. At a minimum, the written ERPs must include: a. a description of enforcement tools available to the permittee and guidelines for the use of each tool; and b. name or position title of responsible person(s) for conducting enforcement. [Minn. R. 7090]
19.13	For each site plan review conducted by the permittee, the permittee must document the following: a. project name; b. location; c. total acreage to be disturbed; d. owner and operator of the proposed construction activity; e. proof of notification to obtain coverage under the CSW Permit, as required in item 19.6, or proof of coverage under the CSW Permit; and f. any stormwater related comments and supporting completed checklist, as required in item 19.6, used by the permittee to determine project approval or denial. [Minn. R. 7090]

19.14	For each training in item 19.11, the permittee must document: a. general subject matter covered; b. names and departments of individuals in attendance; and c. date of each event. [Minn. R. 7090]
19.15	The permittee must document any enforcement conducted pursuant to the ERPs in item 19.12, including verbal warnings. At a minimum, the permittee must document the following: a. name of the person responsible for violating the terms and conditions of the permittee's regulatory mechanism(s); b. date(s) and location(s) of the observed violation(s); c. description of the violation(s); d. corrective action(s) (including completion schedule) issued by the permittee; e. referrals to other regulatory organizations (if any); and f. date(s) violation(s) resolved. [Minn. R. 7090]
19.16	The permittee must conduct an annual assessment of the Construction Site Stormwater Runoff Control program to evaluate program compliance, the status of achieving the measurable requirements in Section 19, and determine how the program might be improved. Measurable requirements are activities that must be documented or tracked as applicable to the MCM (e.g., inventory, trainings, site plan reviews, inspections, enforcement, etc.). The permittee must perform the annual assessment prior to completion of each annual report and document any modifications made to the program as a result of the annual assessment. [Minn. R. 7090]
20.1	MCM 5: Post-Construction Stormwater Management. [Minn. R. 7090]
20.2	New permittees must develop, implement, and enforce, and existing permittees must revise their current program, as necessary, and continue to implement and enforce, a Post-Construction Stormwater Management program that prevents or reduces water pollution after construction activity is completed. The program must address construction activity with land disturbance of greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, within the permittee's jurisdiction and that discharge to the permittee's MS4. The permittee must incorporate Section 20 requirements into their program. [Minn. R. 7090]
20.3	To the extent allowable under state or local law, the permittee must develop, implement, and enforce a regulatory mechanism(s) that incorporates items 20.4 through 20.15. A regulatory mechanism(s) for the purposes of the General Permit may consist of contract language, an ordinance, permits, standards, written policies, operational plans, legal agreements, or any other mechanism, that will be enforced by the permittee. [Minn. R. 7090]
20.4	The permittee's regulatory mechanism(s) must require owners of construction activity to submit site plans with post-construction stormwater management BMPs designed with accepted engineering practices to the permittee for review and confirmation that regulatory mechanism(s) requirements have been met, prior to start of construction activity. [Minn. R. 7090]
20.5	The permittee's regulatory mechanism(s) must require owners of construction activity to treat the water quality volume on any project where the sum of the new impervious surface and the fully reconstructed impervious surface equals one or more acres. [Minn. R. 7090]
20.6	For construction activity (excluding linear projects), the water quality volume must be calculated as one (1) inch times the sum of the new and the fully reconstructed impervious surface. [Minn. R. 7090]
20.7	For linear projects, the water quality volume must be calculated as the larger of one (1) inch times the new impervious surface or one-half (0.5) inch times the sum of the new and the fully reconstructed impervious surface. Where the entire water quality volume cannot be treated within the existing right-of-way, a reasonable attempt to obtain additional right-of-way, easement, or other permission to treat the stormwater during the project planning process must be made. Volume reduction practices must be considered first, as described in item 20.8. Volume reduction practices are not required if the practices cannot be provided cost effectively. If additional right-of-way, easements, or other permission cannot be obtained, owners of construction activity must maximize the treatment of the water quality volume prior to discharge from the MS4. [Minn. R. 7090]
20.8	Volume reduction practices (e.g., infiltration or other) to retain the water quality volume on-site must be considered first when designing the permanent stormwater treatment system. The General Permit does not consider wet sedimentation basins and filtration systems to be volume reduction practices. If the General Permit prohibits infiltration as described in

	item 20.9, other volume reduction practices, a wet sedimentation basin, or filtration basin may be considered. [Minn. R. 7090]
20.9	Infiltration systems must be prohibited when the system would be constructed in areas: a. that receive discharges from vehicle fueling and maintenance areas, regardless of the amount of new and fully reconstructed impervious surface; b. where high levels of contaminants in soil or groundwater may be mobilized by the infiltrating stormwater. To make this determination, the owners and/or operators of construction activity must complete the Agency's site screening assessment checklist, which is available in the Minnesota Stormwater Manual, or conduct their own assessment. The assessment must be retained with the site plans; c. where soil infiltration rates are more than 8.3 inches per hour unless soils are amended to slow the infiltration rate below 8.3 inches per hour; d. 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; e. of predominately Hydrologic Soil Group D (clay) soils; f. in an Emergency Response Area (ERA) within a Drinking Water Supply Management Area (DWSMA) as defined in Minn. R. 4720.5100, Subp. 13, classified as high or very high vulnerability as defined by the Minnesota Department of Health; g. in an ERA within a DWSMA classified as moderate vulnerability unless the permittee performs or approves a higher level of engineering review sufficient to provide a functioning treatment system and to prevent adverse impacts to groundwater; h. outside of an ERA within a DWSMA classified as high or very high vulnerability unless the permittee performs or approves a higher level of engineering review sufficient to provide a functioning treatment system and to prevent adverse impacts to groundwater; i. within 1,000 feet up-gradient or 100 feet down gradient of active karst features; or j. that receive stormwater runoff from these types of entities regulated under NPDES for industrial stormwater: automobile salvage yards; scrap recycling and waste recycling facilities; hazardous waste treatment, storage, or disposal facilities; or air transportation facilities that conduct deicing activities. See "higher level of engineering review" in the Minnesota Stormwater Manual for more information. [Minn. R. 7090]
20.10	For non-linear projects, where the water quality volume cannot cost effectively be treated on the site of the original construction activity, the permittee must identify, or may require owners of the construction activity to identify, locations where off-site treatment projects can be completed. If the entire water quality volume is not addressed on the site of the original construction activity, the remaining water quality volume must be addressed through off-site treatment and, at a minimum, ensure the requirements of items 20.11 through 20.14 are met. [Minn. R. 7090]
20.11	The permittee must ensure off-site treatment project areas are selected in the following order of preference: a. locations that yield benefits to the same receiving water that receives runoff from the original construction activity; b. locations within the same Department of Natural Resource (DNR) catchment area as the original construction activity; c. locations in the next adjacent DNR catchment area up-stream; or d. locations anywhere within the permittee's jurisdiction. [Minn. R. 7090]
20.12	Off-site treatment 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. Routine maintenance of structural stormwater BMPs already required by the General Permit cannot be used to meet this requirement. [Minn. R. 7090]
20.13	Off-site treatment projects must be completed no later than 24 months after the start of the original construction activity. If the permittee determines more time is needed to complete the treatment project, the permittee must provide the reason(s) and schedule(s) for completing the project in the annual report. [Minn. R. 7090]
20.14	If the permittee receives payment from the owner of a construction activity for off-site treatment, the permittee must apply any such payment received to a public stormwater project, and all projects must comply with the requirements in items 20.11 through 20.13. [Minn. R. 7090]
20.15	The permittee's regulatory mechanism(s) must include the establishment of legal mechanism(s) between the permittee and owners of structural stormwater BMPs not owned or operated by the permittee, that have been constructed to meet the requirements in Section 20. The legal mechanism(s) must 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 the owner of that structural stormwater BMP has not ensured proper function; b. 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; and c. are designed to protect/preserve structural stormwater BMPs. If structural stormwater BMPs change, causing decreased effectiveness, new, repaired, or improved structural stormwater BMPs must be implemented to provide equivalent treatment to the original BMP. [Minn. R. 7090]
20.16	The permittee must maintain a written or mapped inventory of structural stormwater BMPs not owned or operated by the permittee that meet all of the following criteria: a. the structural stormwater BMP includes an executed legal mechanism(s) between the permittee and owners responsible for the long-term maintenance, as required in item 20.15; and b. the structural stormwater BMP was implemented on or after August 1, 2013. [Minn. R. 7090]
20.17	The permittee must implement written procedures for site plan reviews conducted by the permittee prior to the start of construction activity, to ensure compliance with requirements of the permittee's regulatory mechanism(s). [Minn. R. 7090]
20.18	The permittee must ensure that individuals receive training commensurate with their responsibilities as they relate to the permittee's Post-Construction Stormwater Management program. Individuals includes, but is not limited to, individuals responsible for conducting site plan reviews and/or enforcement. The permittee must ensure that previously trained individuals attend a refresher-training every three (3) calendar years following the initial training. [Minn. R. 7090]
20.19	The permittee must maintain written enforcement response procedures (ERPs) to compel compliance with the permittee's regulatory mechanism(s) required in Section 20. At a minimum, the written ERPs must include: a. a description of enforcement tools available to the permittee and guidelines for the use of each tool; and b. name or position title of responsible person(s) for conducting enforcement. [Minn. R. 7090]
20.20	For each site plan review conducted by the permittee, the permittee must document the following: a. supporting documentation used to determine compliance with Section 20 of the General Permit, including any calculations for the permanent stormwater treatment system; b. the water quality volume that will be treated through volume reduction practices (e.g., infiltration or other) compared to the total water quality volume required to be treated; c. documentation associated with off-site treatment projects authorized by the permittee, including rationale to support the location of permanent stormwater treatment projects in accordance with items 20.10 and 20.11; d. payments received and used in accordance with item 20.14; and e. all legal mechanisms drafted in accordance with item 20.15, including date(s) of the agreement(s) and name(s) of all responsible parties involved. [Minn. R. 7090]
20.21	For each training in item 20.18, the permittee must document: a. general subject matter covered; b. names and departments of individuals in attendance; and c. date of each event. [Minn. R. 7090]
20.22	The permittee must document any enforcement conducted pursuant to the ERPs in item 20.19, including verbal warnings. At a minimum, the permittee must document the following: a. name of the person responsible for violating the terms and conditions of the permittee's regulatory mechanism(s); b. date(s) and location(s) of the observed violation(s); c. description of the violation(s); d. corrective action(s) (including completion schedule) issued by the permittee; e. referrals to other regulatory organizations (if any); and f. date(s) violation(s) resolved. [Minn. R. 7090]
20.23	The permittee must conduct an annual assessment of the Post-Construction Stormwater Management program to evaluate

	program compliance, the status of achieving the measurable requirements in Section 20, and determine how the program might be improved. Measurable requirements are activities that must be documented or tracked as applicable to the MCM (e.g., inventory, trainings, site plan reviews, inspections, enforcement, etc.). The permittee must perform the annual assessment prior to completion of each annual report and document any modifications made to the program as a result of the annual assessment. [Minn. R. 7090]
21.1	MCM 6: Pollution Prevention/Good Housekeeping For Municipal Operations. [Minn. R. 7090]
21.2	New permittees must develop and implement, and existing permittees must revise their current program, as necessary, and continue to implement, an operations and maintenance program that prevents or reduces the discharge of pollutants to the MS4 from permittee owned/operated facilities and operations. The permittee must incorporate Section 21 requirements into their program. [Minn. R. 7090]
21.3	The permittee must maintain a written or mapped inventory of permittee owned/operated facilities that contribute pollutants to stormwater discharges. The permittee must implement BMPs that prevent or reduce pollutants in stormwater discharges from all inventoried facilities. Facilities to be inventoried may include, but is not limited to: a. composting; b. equipment storage and maintenance; c. hazardous waste disposal; d. hazardous waste handling and transfer; e. landfills; f. solid waste handling and transfer; g. parks; h. pesticide storage; i. public parking lots; j. public golf courses; k. public swimming pools; l. public works yards; m. recycling; n. salt storage; o. snow storage; p. vehicle storage and maintenance (e.g., fueling and washing) yards; and q. materials storage yards. [Minn. R. 7090]
21.4	The permittee must implement BMPs that prevent or reduce pollutants in stormwater discharges from the following municipal operations that may contribute pollutants to stormwater discharges, where applicable: a. waste disposal and storage, including dumpsters; b. management of temporary and permanent stockpiles of materials such as street sweepings, snow, sand and sediment removal piles (e.g., effective sediment controls at the base of stockpiles on the downgradient perimeter); c. vehicle fueling, washing, and maintenance; d. routine street and parking lot sweeping; e. emergency response; f. cleaning of maintenance equipment, building exteriors, dumpsters, and the disposal of associated waste and wastewater; g. use, storage, and disposal of significant materials; h. landscaping, park, and lawn maintenance; i. road maintenance, including pothole repair, road shoulder maintenance, pavement marking, sealing, and repaving; j. right-of-way maintenance, including mowing; and k. application of herbicides, pesticides, and fertilizers. [Minn. R. 7090]
21.5	The permittee must implement the following BMPs at permittee owned/operated salt storage areas: a. cover or store salt indoors; b. store salt on an impervious surface; and c. implement practices to reduce exposure when transferring material from salt storage areas (e.g., sweeping, diversions, and/or containment). [Minn. R. 7090]

- 21.6 The permittee must implement a written snow and ice management policy for individuals that perform winter maintenance activities for the permittee. The policy must establish practices and procedures for snow and ice control operations (e.g., plowing or other snow removal practices, sand use, and application of deicing compounds). [Minn. R. 7090]
- 21.7 Each calendar year, the permittee must ensure all individuals that perform winter maintenance activities for the permittee receive training that includes:
- a. the importance of protecting water quality;
 - b. BMPs to minimize the use of deicers (e.g., proper calibration of equipment and benefits of pretreatment, pre-wetting, and anti-icing); and
 - c. tools and resources to assist in winter maintenance (e.g., deicing application rate guidelines, calibration charts, Smart Salting Assessment Tool).
- The permittee may use training materials from the Agency's Smart Salting training or other organizations to meet this requirement. [Minn. R. 7090]
- 21.8 The permittee must maintain written procedures 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. [Minn. R. 7090]
- 21.9 The permittee must inspect structural stormwater BMPs (excluding stormwater ponds, which are under a separate schedule below) each calendar year to determine structural integrity, proper function, and maintenance needs unless the permittee determines either of the following conditions apply:
- a. complaints received or patterns of maintenance indicate a greater frequency is necessary; or
 - b. maintenance or sediment removal is not required after completion of the first two calendar year inspections; in which case the permittee may reduce the frequency of inspections to once every two (2) calendar years. [Minn. R. 7090]
- 21.10 Prior to the expiration date of the General Permit, the permittee must conduct at least one inspection of all ponds and outfalls (excluding underground outfalls) in order to determine structural integrity, proper function, and maintenance needs. [Minn. R. 7090]
- 21.11 Based on inspection findings, the permittee must determine if repair, replacement, or maintenance measures are necessary in order to ensure the structural integrity and proper function of structural stormwater BMPs and outfalls. The permittee must complete necessary maintenance as soon as possible. If the permittee determines necessary maintenance cannot be completed within one year of discovery, the permittee must document a schedule(s) for completing the maintenance. [Minn. R. 7090]
- 21.12 The permittee must implement a stormwater management training program commensurate with individual's responsibilities as they relate to the permittee's SWPPP, including reporting and assessment activities. The permittee may use training materials from the United States Environmental Protection Agency (USEPA), state and regional agencies, or other organizations as appropriate to meet this requirement. The training program must:
- a. address the importance of protecting water quality;
 - b. cover the requirements of the permit relevant to the responsibilities of the individual not already addressed in items 18.8, 18.9, 19.11, 20.18, and 21.7; and
 - c. include a schedule that establishes initial training for individuals, including new and/or seasonal employees, and recurring training intervals to address changes in procedures, practices, techniques, or requirements. [Minn. R. 7090]
- 21.13 The permittee must document the following information associated with the operations and maintenance program:
- a. date(s) and description of findings, including whether or not an illicit discharge is detected, for all inspections conducted in accordance with items 21.9 and 21.10;
 - b. any adjustments to inspection frequency as authorized in item 21.9;
 - c. date(s) and a description of maintenance conducted as a result of inspection findings, including whether or not an illicit discharge is detected;
 - d. schedule(s) for maintenance of structural stormwater BMPs and outfalls as required in item 21.11; and
 - e. stormwater management training events, including general subject matter covered, names and departments of individuals in attendance, and date of each event. [Minn. R. 7090]
- 21.14 The permittee must document pond sediment excavation and removal activities, including:

	a. a unique ID number and geographic coordinates of each stormwater pond from which sediment is removed; b. the volume (e.g., cubic yards) of sediment removed from each stormwater pond; c. results from any testing of sediment from each removal activity; and d. location(s) of final disposal of sediment from each stormwater pond. [Minn. R. 7090]
21.15	The permittee must conduct an annual assessment of the operations and maintenance program to evaluate program compliance, the status of achieving the measurable requirements in Section 21, and determine how the program might be improved. Measurable requirements are activities that must be documented or tracked as applicable to the MCM (e.g., inventory, trainings, inspections, maintenance activities, etc.). The permittee must perform the annual assessment prior to completion of each annual report and document any modifications made to the program as a result of the annual assessment. [Minn. R. 7090]
22.1	Discharges to Impaired Waters with a USEPA-Approved TMDL that Includes an Applicable WLA. [Minn. R. 7090]
22.2	If the permittee has an applicable WLA not being met for oxygen demand, nitrate, TSS, or TP, the permittee must provide a summary of the permittee's progress toward achieving those applicable WLAs with the annual report. The summary must include the following information: a. a list of all BMPs applied towards achieving applicable WLAs for oxygen demand, nitrate, TSS, and TP; b. the implementation status of BMPs included in the compliance schedule at the time of final application submittal; and c. an updated estimate of cumulative TSS and TP load reductions. [Minn. R. 7090]
22.3	If the permittee has an applicable WLA where a reduction in pollutant loading is required for bacteria, the permittee must maintain a written or mapped inventory of potential areas and sources of bacteria (e.g., dense populations of waterfowl or other bird, dog parks). [Minn. R. 7090]
22.4	If the permittee has an applicable WLA where a reduction in pollutant loading is required for bacteria, the permittee must maintain a written plan to prioritize reduction activities to address the areas and sources identified in the inventory in item 22.3. The written plan must include BMPs the permittee will implement over the permit term, which may include, but is not limited to: a. water quality monitoring to determine areas of high bacteria loading; b. installation of pet waste pick-up bags in parks and open spaces; c. elimination of over-spray irrigation that may occur at permittee owned areas; d. removal of organic matter via street sweeping; e. implementation of infiltration structural stormwater BMPs; or f. management of areas that attract dense populations of waterfowl (e.g., riparian plantings). [Minn. R. 7090]
22.5	If the permittee has an applicable WLA where a reduction in pollutant loading is required for chloride, the permittee must document the amount of deicer applied each winter maintenance season to all permittee owned/operated surfaces. [Minn. R. 7090]
22.6	If the permittee has an applicable WLA where a reduction in pollutant loading is required for chloride, each calendar year the permittee must conduct an assessment of the permittee's winter maintenance operations to reduce the amount of deicing salt applied to permittee owned/operated surfaces and determine current and future opportunities to improve BMPs. The permittee may use the Agency's Smart Salting Assessment Tool or other available resources and methods to complete this assessment. The permittee must document the assessment. The assessment may include, but is not limited to: a. operational changes such as pre-wetting, pre-treating the salt stockpile, increasing plowing prior to deicing, monitoring of road surface temperature, etc.; b. implementation of new or modified equipment providing pre-wetting, or other capability for minimizing salt use; c. regular calibration of equipment; d. optimizing mechanical removal to reduce use of deicers; or e. designation of no salt and/or low salt zones. [Minn. R. 7090]
22.7	If the permittee has an applicable WLA where a reduction in pollutant loading is required for temperature (i.e., City of Duluth, City of Hermantown, City of Rice Lake, City of Stillwater, MnDOT Outstate, St. Louis County, University of Minnesota - Duluth, and Lake Superior College), the permittee must maintain a written plan that identifies specific activities the

	permittee will implement to reduce thermal loading during the permit term. The written plan may include, but is not limited to: a. implementation of infiltration BMPs such as bioinfiltration practices; b. disconnection and/or reduction of impervious surfaces; c. retrofitting existing structural stormwater BMPs; or d. improvement of riparian vegetation. [Minn. R. 7090]
23.1	Alum or Ferric Chloride Phosphorus Treatment Systems. [Minn. R. 7090]
23.2	If the permittee uses an alum or ferric chloride phosphorus treatment system, the permittee must comply with Section 23 requirements. [Minn. R. 7090]
23.3	The permittee's alum or ferric chloride phosphorus treatment system must comply with the following: a. the permittee must use the treatment system for the treatment of phosphorus in stormwater. Non-stormwater discharges must not be treated by this system; b. the treatment system must be contained within the conveyances and structural stormwater BMPs of the MS4. The utilized conveyances and structural stormwater BMPs must not include any receiving waters; c. phosphorus treatment systems utilizing chemicals other than alum or ferric chloride must receive written approval from the Agency; and d. in-lake phosphorus treatment activities are not authorized under the General Permit. [Minn. R. 7090]
23.4	The permittee's alum or ferric chloride phosphorus treatment system must meet the following design parameters: a. the treatment system must be constructed in a manner that diverts the stormwater flow to be treated from the main conveyance system; b. a high flow bypass must be part of the inlet design; and c. a flocculant storage/settling area must be incorporated into the design, and adequate maintenance access must be provided (minimum of 8 feet wide) for the removal of accumulated sediment. [Minn. R. 7090]
23.5	A designated person must perform visual monitoring of the treatment system for proper performance at least once every seven (7) days, and within 24 hours after a rainfall event greater than 2.5 inches in 24 hours. Following visual monitoring which occurs within 24 hours after a rainfall event, the next visual monitoring must be conducted within seven (7) days after that rainfall event. [Minn. R. 7090]
23.6	Three (3) benchmark monitoring stations must be established. Table 1 in Appendix A must be used for the parameters, units of measure, and frequency of measurement for each station. [Minn. R. 7090]
23.7	Samples must be collected as grab samples or flow-weighted 24-hour composite samples. [Minn. R. 7090]
23.8	Each sample, excluding pH samples, must be analyzed by a laboratory certified by the Minnesota Department of Health and/or the Agency, and: a. sample preservation and test procedures for the analysis of pollutants must conform to 40 CFR Part 136 and Minn. R. 7041.3200; b. detection limits for dissolved phosphorus, dissolved aluminum, and dissolved iron must be a minimum of 6 micrograms per liter, 10 micrograms per liter, and 20 micrograms per liter, respectively; and c. pH must be measured within 15 minutes of sample collection using calibrated and maintained equipment. [Minn. R. 7090]
23.9	In the following situations, the permittee must perform corrective action(s) and immediately notify the Minnesota Department of Public Safety Duty Officer at 1-800-422-0798 (toll free) or 651-649-5451 (Metro area): a. the pH of the discharged water is not within the range of 6.0 and 9.0; b. any indications of toxicity or measurements exceeding water quality standards which could endanger human health, public drinking water supplies, or the environment; or c. a spill or discharge or alteration resulting in water pollution as defined in Minn. Stat. 115.01, subd. 13, of alum or ferric chloride. If item b is applicable, the permittee must also report the non-compliance to the Commissioner as required in item 26.11.

	[Minn. R. 7001.0150, Subp. 3(K), Minn. R. 7090]
23.10	If the permittee discovers indications of toxicity or measurements exceeding water quality standards that the permittee determines does not endanger human health, public drinking water supplies, or the environment, the permittee must report the non-compliance to the Commissioner as required in item 26.12. [Minn. R. 7001.0150, Subp. 3(L), Minn. R. 7090]
23.11	The permittee must submit the following information with the annual report. The annual report must include a month-by-month summary of: a. date(s) of operation; b. chemical(s) used for treatment; c. gallons of water treated; d. gallons of alum or ferric chloride treatment used; e. calculated pounds of phosphorus removed; and f. any performance issues and the corrective action(s), including the date(s) when corrective action(s) were taken. [Minn. R. 7090]
23.12	A record of the design parameters in items 23.13 through 23.15 must be kept on-site. [Minn. R. 7090]
23.13	Site-specific jar testing conducted using typical and representative water samples in accordance with the most current approved version of ASTM D2035. [Minn. R. 7090]
23.14	Baseline concentrations of the following parameters in the influent and receiving waters: a. aluminum or iron; and b. phosphorus. [Minn. R. 7090]
23.15	The following system parameters and how each was determined: a. flocculant settling velocity; b. minimum required retention time; c. rate of diversion of stormwater into the system; d. the flow rate from the discharge of the outlet structure; and e. range of expected dosing rates. [Minn. R. 7090]
23.16	The following site-specific procedures must be developed and a copy kept on-site: a. procedures for the installation, operation and maintenance of all pumps, generators, control systems, and other equipment; b. specific parameters for determining when the solids must be removed from the system and how the solids will be handled and disposed of; and c. procedures for cleaning up and/or containing a spill of each chemical stored on-site. [Minn. R. 7090]
24.1	Stormwater Pollution Prevention Program (SWPPP) Modification. [Minn. R. 7090]
24.2	The Commissioner may require the permittee to modify the SWPPP as needed, in accordance with the procedures of Minn. R. 7001, and may consider the following factors: a. discharges from the MS4 are impacting the quality of receiving waters; b. more stringent requirements are necessary to comply with state or federal regulations; and c. additional conditions are deemed necessary to comply with the goals and applicable requirements of the Clean Water Act and protect water quality. [Minn. R. 7090]
24.3	Modifications that the permittee chooses to make to the SWPPP other than modifications authorized in item 24.4, must be approved by the Commissioner in accordance with the procedures of Minn. R. 7001. All requests must be in writing, setting forth schedules for compliance. The request must discuss alternative program modifications, assure compliance with requirements of the permit, and meet other applicable laws. [Minn. R. 7090]
24.4	The permittee may modify the SWPPP without prior approval of the Commissioner provided the Commissioner is notified of the modification in the annual report for the year the modification is made and the modification falls under one of the following categories:

	a. a BMP is added, and none subtracted, from the SWPPP; or b. a less effective BMP is replaced with a more effective BMP. The alternate BMP must address the same, or similar, concerns as the ineffective or failed BMP. [Minn. R. 7090]
25.1	Annual Assessment, Annual Reporting, and Recordkeeping. [Minn. R. 7090]
25.2	The permittee must conduct an annual assessment to evaluate compliance with the terms and conditions of the General Permit, including the effectiveness of the components of the SWPPP and the status of achieving the measurable requirements in the General Permit. Measurable requirements are activities that must be documented or tracked (e.g., education and outreach efforts, implementation of written plans, inventories, trainings, site plan reviews, inspections, enforcement, etc.). The permittee must perform the annual assessment prior to completion of each annual report and document any modifications made to the SWPPP as a result of the annual assessment. [Minn. R. 7090]
25.3	The permittee must submit an annual report : Due annually, by the 30th of June. The annual report must cover the portion of the previous calendar year during which the permittee was authorized to discharge stormwater under the General Permit. The annual report shall be submitted to the Agency, in a manner determined by the Agency, that includes but is not limited to: a. the status of compliance with permit terms and conditions, including an assessment of the appropriateness of BMPs identified by the permittee and progress towards achieving the measurable requirements of each of the MCMs. The assessment must be based on results of information collected and analyzed, including monitoring (if any), inspection findings, and public input received during the reporting period; b. the stormwater activities the permittee plans to undertake during the next reporting cycle; c. a change in any identified BMPs for any of the MCMs; d. the summary required in item 22.2 to demonstrate progress toward achieving applicable WLAs; e. information required to be recorded or documented in Sections 13 through 24; and f. a statement that the permittee is relying on a partnership(s) with another regulated small MS4(s) to satisfy one or more permit requirements (if applicable), and what agreements the permittee has entered into in support of this effort. [Minn. R. 7090]
25.4	The permittee must make records, including components of the SWPPP, available to the public at reasonable times during regular business hours (see 40 CFR 122.7 for confidentiality provision). [Minn. R. 7090]
25.5	The permittee must retain copies of the permit application, all documentation necessary to comply with SWPPP requirements, all data and information used by the permittee to complete the application process, and any information developed as a requirement of the General Permit or as requested by the Commissioner, for a period of at least three (3) years beyond the date of permit expiration. This period is automatically extended during the course of an unresolved enforcement action regarding the small MS4 or as requested by the Commissioner. [Minn. R. 7001.0080, Minn. R. 7090]
25.6	The permittee must, when requested by the Commissioner, submit within a reasonable time the information and reports that are relevant to the control of pollution regarding the construction, modification, or operation of the facility covered by the General Permit or regarding the conduct of the activity covered by the General Permit. [Minn. R. 7001.0150, Subp. 3(H), Minn. R. 7090]
25.7	The permittee must use an electronic submittal process, as provided by the Agency, to submit information required by the General Permit. If electronic submittal is not available, the permittee must use the following mailing address: Supervisor, Municipal Stormwater Unit Minnesota Pollution Control Agency 520 Lafayette Road North St. Paul, Minnesota 55155-4194. [Minn. R. 7090]
26.1	General Conditions. [Minn. R. 7090]
26.2	The Agency's issuance of a permit does not release the permittee from any liability, penalty, or duty imposed by Minnesota or federal statutes or rules or local ordinances, except the obligation to obtain the General Permit. [Minn. R. 7001.0150, Subp. 3(A)]
26.3	The Agency's issuance of a permit does not prevent the future adoption by the Agency of pollution control rules, standards, or orders more stringent than those now in existence and does not prevent the enforcement of these rules, standards, or orders against the permittee. [Minn. R. 7001.0150, Subp. 3(B)]

26.4	The General Permit does not convey a property right or an exclusive privilege. [Minn. R. 7001.0150, Subp. 3(C)]
26.5	The Agency's issuance of a permit does not obligate the Agency to enforce local laws, rules or plans beyond that authorized by Minnesota statutes. [Minn. R. 7001.0150, Subp. 3(D)]
26.6	The permittee must perform the actions or conduct the activity authorized by the permit in accordance with the plans and specifications approved by the Agency and in compliance with the conditions of the permit. [Minn. R. 7001.0150, Subp. 3(E)]
26.7	The permittee must at all times properly operate and maintain the facilities and systems of treatment and control and the appurtenances related to them which are installed or used by the permittee to achieve compliance with the conditions of the General Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. The permittee must install and maintain appropriate backup or auxiliary facilities if they are necessary to achieve compliance with the conditions of the General Permit and, for all permits other than hazardous waste facility permits, if these backup or auxiliary facilities are technically and economically feasible. [Minn. R. 7001.0150, Subp. 3(F)]
26.8	The permittee may not knowingly make a false or misleading statement, representation, or certification in a record, report, plan, or other document required to be submitted to the Agency or to the Commissioner by the General Permit. The permittee must immediately upon discovery report to the Commissioner an error or omission in these records, reports, plans, or other documents. [Minn. R. 7001.0150, Subp. 3(G), Minn. R. 7001.1090, Subp. 1(G), Minn. R. 7001.1090, Subp. 1(H), Minn. Stat. 609.671]
26.9	When authorized by Minn. Stat. 115.04, 115B.17, subd. 4, and 116.091, and upon presentation of proper credentials, the Agency, or an authorized employee or agent of the Agency, must be allowed by the permittee to enter at reasonable times upon the property of the permittee to examine and copy books, papers, records, or memoranda pertaining to the activity covered by the General Permit; and to conduct surveys and investigations, including sampling or monitoring, pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activity covered by the General Permit. [Minn. R. 7001.0150, Subp. 3(I)]
26.10	If the permittee discovers, through any means, including notification by the Agency, that noncompliance with a condition of the General Permit has occurred, the permittee must take all reasonable steps to minimize the adverse impacts on human health, public drinking water supplies, or the environment resulting from the noncompliance. [Minn. R. 7001.0150, Subp. 3(J)]
26.11	If the permittee discovers that noncompliance with a condition of the General Permit has occurred which could endanger human health, public drinking water supplies, or the environment, the permittee must, within 24 hours of the discovery of the noncompliance, orally notify the Commissioner. Within five days of the discovery of the noncompliance, the permittee must submit to the Commissioner a written description of the noncompliance; the cause of the noncompliance; the exact dates of the period of the noncompliance; if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [Minn. R. 7001.0150, Subp. 3(K)]
26.12	The permittee must report noncompliance with the General Permit not reported under item 26.11 as a part of the next report which the permittee is required to submit under the General Permit. If no reports are required within 30 days of the discovery of the noncompliance, the permittee must submit the information listed in item 26.11 within 30 days of the discovery of the noncompliance. [Minn. R. 7001.0150, Subp. 3(L), Minn. R. 7090]
26.13	The permittee must give advance notice to the Commissioner as soon as possible of planned physical alterations or additions to the permitted facility (MS4) or activity that may result in noncompliance with a Minnesota or federal pollution control statute or rule or a condition of the General Permit. [Minn. R. 7001.0150, Subp. 3(M)]
26.14	The General Permit is not transferable to any person without the express written approval of the Agency after compliance with the requirements of Minn. R. 7001.0190. A person to whom the permit has been transferred must comply with the conditions of the General Permit. [Minn. R. 7001.0150, Subp. 3(N)]
26.15	The General Permit authorizes the permittee to perform the activities described in the permit under the conditions of the General Permit. In issuing the permit, the state and Agency assume no responsibility for damage to persons, property, or the environment caused by the activities of the permittee in the conduct of its actions, including those activities authorized, directed, or undertaken under the permit. To the extent the state and Agency may be liable for the activities of its employees, that liability is explicitly limited to that provided in the Tort Claims Act, Minn. Stat. 3.736. [Minn. R. 7001.0150, Subp. 3(O)]

26.16	The General Permit incorporates by reference the applicable portions of 40 CFR 122.41 and 122.42(c) and (d), and Minn. R. 7001.1090, which are enforceable parts of the General Permit. [Minn. R. 7090]
26.17	The provisions of the General Permit are severable, and if any provision of the General Permit, or the application of any provision of the General Permit to any circumstance, is held invalid, the application of such provision to other circumstances and the remainder of the General Permit shall not be affected thereby. [Minn. R. 7090]
27.1	Definitions. [Minn. R. 7090]
27.2	"Active karst" means a terrain having distinctive landforms and hydrology created primarily from the dissolution of soluble rocks within 50 feet of the land surface. [Minn. R. 7090]
27.3	"Agency" means the Minnesota Pollution Control Agency or MPCA. [Minn. Stat. 116.36, subd. 2]
27.4	"Alum or Ferric Chloride Phosphorus Treatment System" means the diversion of flowing stormwater from a MS4, removal of phosphorus through the use a continuous feed of alum or ferric chloride additive, flocculation, and the return of the treated stormwater back into a MS4 or receiving water. [Minn. R. 7090]
27.5	"Applicable WLA" means a Waste Load Allocation assigned to the permittee and approved by the USEPA prior to the issuance date of the General Permit. [Minn. R. 7090]
27.6	"Best Management Practices" or "BMPs" means practices to prevent or reduce the pollution of the waters of the state, including schedules of activities, prohibitions of practices, and other management practices, and also includes treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge, or waste disposal or drainage from raw material storage. [Minn. R. 7001.1020, Subp. 5]
27.7	"Commissioner" means the Commissioner of the Minnesota Pollution Control Agency or the Commissioner's designee. [Minn. Stat. 116.36, subd. 3]
27.8	"Common Plan of Development or Sale" means a contiguous area where multiple separate and distinct land disturbing activities may be taking place at different times, on different schedules, but under one proposed plan. One plan is broadly defined to include design, permit application, advertisement or physical demarcation indicating that land-disturbing activities may occur. [Minn. R. 7090]
27.9	"Construction Activity" means activities including clearing, grading, and excavating, that result in land disturbance of equal to or greater than one acre, including the disturbance of less than one acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one acre. This includes a disturbance to the land that results in a change in the topography, existing soil cover, both vegetative and nonvegetative, or the existing soil topography that may result in accelerated stormwater runoff that may lead to soil erosion and movement of sediment. Construction activity does not include a disturbance to the land of less than five acres for the purpose of routine maintenance performed to maintain the original line and grade, hydraulic capacity, and original purpose of the facility. Routine maintenance does not include activities such as repairs, replacement and other types of non-routine maintenance. Pavement rehabilitation that does not disturb the underlying soils (e.g., mill and overlay projects) is not construction activity. [Minn. R. 7090]
27.10	"DNR Catchment Area" means the Hydrologic Unit 08 areas delineated and digitized by the Minnesota DNR. The catchment areas are available for download at the Minnesota DNR Geospatial Commons website. DNR catchment areas may be locally corrected, in which case the local corrections may be used. [Minn. R. 7090]
27.11	"Existing Permittee" means an owner/operator of a small MS4 that has been authorized to discharge stormwater under a previously issued general permit for small MS4s in the state of Minnesota. [Minn. R. 7090]
27.12	"Fully reconstructed" means areas where impervious surfaces have been removed down to the underlying soils. Activities such as structure renovation, mill and overlay projects, and other pavement rehabilitation projects that do not expose the underlying soils beneath the structure, pavement, or activity are not considered fully reconstructed. Maintenance activities such as catch basin repair/replacement, utility repair/replacement, pipe repair/replacement, lighting, and pedestrian ramp improvements are not considered fully reconstructed. [Minn. R. 7090]
27.13	"General permit" means a permit issued under Minn. R. 7001.0210 to a category of permittees whose operations, emissions, activities, discharges, or facilities are the same or substantially similar. [Minn. R. 7001.0010, Subp. 4]
27.14	"Geographic Coordinates" means the point location of a stormwater feature expressed by X, Y coordinates of a standard Cartesian coordinate system (i.e. latitude/longitude) that can be readily converted to Universal Transverse Mercator (UTM), Zone 15N in the NAD83 datum. For polygon features, the geographic coordinates will typically define the approximate center of a stormwater feature. [Minn. R. 7090]

27.15	"High Flow Bypass" means a function of an inlet device that allows a certain flow of water through, but diverts any higher flows away. High flow bypasses are generally used for BMPs that can only treat a designed amount of flow and that would be negatively affected by higher flows. [Minn. R. 7090]
27.16	"Illicit Discharge" means any discharge to a municipal separate storm sewer that is not composed entirely of stormwater except discharges pursuant to a NPDES permit (other than the NPDES permit for discharges from the municipal separate storm sewer) and discharges resulting from firefighting activities. [40 CFR 122.26(b)(2)]
27.17	"Impaired Water" means waters identified as impaired by the Agency, and approved by the USEPA, pursuant to section 303(d) of the Clean Water Act (33 U.S.C. 303(d)). [Minn. R. 7090]
27.18	"Linear project" means construction of new or fully reconstructed roads, trails, sidewalks, or rail lines that are not part of a common plan of development or sale. For example, roads being constructed concurrently with a new residential development are not considered linear projects because they are part of a common plan of development or sale. [Minn. R. 7090]
27.19	"Maximum Extent Practicable" or "MEP" means the statutory standard (33 U.S.C. 1342(p)(3)(B)(iii)) that establishes the level of pollutant reductions that an owner or operator of regulated MS4s must achieve. The USEPA has intentionally not provided a precise definition of MEP to allow maximum flexibility in MS4 permitting. The pollutant reductions that represent MEP may be different for each small MS4, given the unique local hydrologic and geologic concerns that may exist and the differing possible pollutant control strategies. Therefore, each permittee will determine appropriate BMPs to satisfy each of the six Minimum Control Measures (MCMs) through an evaluative process. The USEPA envisions application of the MEP standard as an iterative process. [Minn. R. 7090]
27.20	"Municipal separate storm sewer system" or "MS4" means a conveyance or system of conveyances including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains: a. owned or operated by a state, city, town, county, district, association, or other public body, created by or pursuant to state law, having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control district, or drainage district or similar entity, or an Indian tribe or an authorized Indian tribe organization, or a designated and approved management Agency under section 208 of the federal Clean Water Act, United States Code, title 33, section 1288, that discharges into waters of the state; b. designed or used for collecting or conveying stormwater; c. that is not a combined sewer; and d. that is not part of a publicly owned treatment works as defined in 40 CFR 122.2. Municipal separate storm sewer systems do not include separate storm sewers in very discrete areas, such as individual buildings. [Minn. R. 7090.0080, Subp. 8]
27.21	"New Permittee" means an owner/operator of a small MS4 that has not been authorized to discharge stormwater under a previously issued General Stormwater Permit for small MS4s in the state of Minnesota and that applies for, and obtains coverage under the General Permit. [Minn. R. 7090]
27.22	"Non-Stormwater Discharge" means any discharge not composed entirely of stormwater. [Minn. R. 7090]
27.23	"Operator" means the person with primary operational control and legal responsibility for the MS4. [Minn. R. 7090.0080, Subp. 10]
27.24	"Outfall" means the point source where a MS4 discharges to a receiving water, or the stormwater discharge permanently leaves the permittee's MS4. It does not include diffuse runoff or conveyances that connect segments of the same stream or water systems (e.g., when a conveyance temporarily leaves an MS4 at a road crossing). [Minn. R. 7090]
27.25	"Owner" means the person that owns the MS4. [Minn. R. 7090.0080, Subp. 11]
27.26	"Permittee" means a person or persons, that signs the permit application submitted to the Agency and is responsible for compliance with the terms and conditions of the General Permit. [Minn. R. 7090]
27.27	"Person" means the state or any Agency or institution thereof, any municipality, governmental subdivision, public or private corporation, individual, partnership, or other entity, including, but not limited to, association, commission or any interstate body, and includes any officer or governing or managing body of any municipality, governmental subdivision, or public or private corporation, or other entity. [Minn. Stat. 115.01, subd. 10]
27.28	"Pipe" means a closed manmade conveyance device used to transport stormwater from location to location. The definition

	of pipe does not include foundation drain pipes, irrigation pipes, land drain tile pipes, culverts, and road sub-grade drain pipes. [Minn. R. 7090]
27.29	"Receiving Water" means any lake, river, stream or wetland that receives stormwater discharges from an MS4. [Minn. R. 7090]
27.30	"Reduce" means reduce to the Maximum Extent Practicable (MEP) unless otherwise defined in the context in which it is used. [Minn. R. 7090]
27.31	"Seasonally Saturated Soil" means the highest seasonal elevation in the soil in a reduced chemical state because of soil voids filled with water causing anaerobic conditions. Seasonally saturated soil is evidenced by the presence of redoximorphic features or other information determined by scientifically established methods or empirical field measurements. [Minn. R. 7090]
27.32	"Section" includes all item numbers of the same whole number. For example, "Section 5" of the General Permit refers to items 5.1 through 5.5. [Minn. R. 7090]
27.33	"Significant Materials" includes, but is not limited to: raw materials, fuels, materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under Section 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA); any chemical the facility is required to report pursuant to Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA); fertilizers, pesticides, and waste products such as ashes, slag, and sludge that have the potential to be released with stormwater discharges. When determining whether a material is significant, the physical and chemical characteristics of the material should be considered (e.g. the material's solubility, transportability, and toxicity characteristics) to determine the material's pollution potential. [40 CFR 122.26(b)(12)]
27.34	"Small Municipal Separate Storm Sewer System" or "small MS4", means all separate storm sewers that are: a. Owned or operated by the United States, a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to state law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management Agency under section 208 of the CWA that discharges to waters of the United States. b. Not defined as "large" or "medium" Municipal Separate Storm Sewer Systems pursuant to 40 CFR 122.26 paragraphs (b)(4) and (b)(7) or designated under paragraph (a)(1)(v). c. This term includes systems similar to separate storm sewer systems in municipalities, such as systems at military bases, large hospital or prison complexes, and highways and other thoroughfares. The term does not include separate storm sewers in very discrete areas, such as individual buildings. [Minn. R. 7090]
27.35	"Stormwater" means stormwater runoff, snow melt runoff, and surface runoff and drainage. [Minn. R. 7090.0080, Subp. 12]
27.36	"Stormwater flow direction" means the direction of predominant flow within a pipe. Flow direction can be discerned if pipe elevations can be displayed on the storm sewer system map. [Minn. R. 7090]
27.37	"Stormwater Pollution Prevention Program" or "SWPPP" means a comprehensive program developed by the permittee to manage and reduce the discharge of pollutants in stormwater to and from the small MS4. [Minn. R. 7090]
27.38	"Structural Stormwater BMP" means a stationary and permanent BMP that is designed, constructed, and operated to prevent or reduce the discharge of pollutants in stormwater. [Minn. R. 7090]
27.39	"Total Maximum Daily Load" or "TMDL" means the sum of the individual Waste Load Allocations for point sources and load allocations for nonpoint sources and natural background, as more fully defined in 40 CFR 130.2, paragraph (i). A TMDL sets and allocates the maximum amount of a pollutant that may be introduced into a water of the state and still assure attainment and maintenance of water quality standards. [Minn. R. 7052.0010, Subp. 42]
27.40	"Waste Load Allocation" or "WLA" means the portion of a receiving water's loading capacity that is allocated to one of its existing or future point sources of pollution, as more fully defined in Code of Federal Regulations, title 40, section 130.2, paragraph (h). In the absence of a TMDL approved by USEPA under 40 CFR 130.7, or an assessment and remediation plan developed and approved according to Minn. R. 7052.0200, Subp. 1.C, a WLA is the allocation for an individual point source that ensures that the level of water quality to be achieved by the point source is derived from and complies with all applicable water quality standards and criteria. [Minn. R. 7052.0010, Subp. 45]
27.41	"Water pollution" means (a) the discharge of any pollutant into any waters of the state or the contamination of any waters of the state so as to create a nuisance or render such waters unclean, or noxious, or impure so as to be actually or

	potentially harmful or detrimental or injurious to public health, safety or welfare, to domestic, agricultural, commercial, industrial, recreational or other legitimate uses, or to livestock, animals, birds, fish or other aquatic life; or (b) the alteration made or induced by human activity of the chemical, physical, biological, or radiological integrity of waters of the state. [Minn. Stat. 115.01, subd. 13]
27.42	"Water Quality Standards" means those provisions contained in Minn. R. 7050 and 7052. [Minn. R. 7090]
27.43	"Water Quality Volume" means either: a. for construction activity (excluding linear projects), one (1) inch of runoff from the sum of the new and fully reconstructed impervious surfaces created by the project (calculated as an instantaneous volume); or b. for linear projects, the greater of one (1) inch of runoff from the new impervious surface or one-half (0.5) inch of runoff from the sum of the new and fully reconstructed impervious surfaces created by the project (calculated as an instantaneous volume). [Minn. R. 7090]
27.44	"Waters of the State" means all streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, reservoirs, aquifers, irrigation systems, drainage systems and all other bodies or accumulations of water, surface or underground, natural or artificial, public or private, which are contained within, flow through, or border upon the state or any portion thereof. [Minn. Stat. 115.01, subd. 22]
27.45	"Wetlands" means those areas that are inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas. Constructed wetlands designed for wastewater treatment are not waters of the state. Wetlands must have the following attributes: a. a predominance of hydric soils; b. inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support a prevalence of hydrophytic vegetation typically adapted for life in a saturated soil condition; and c. under normal circumstances support a prevalence of such vegetation. [Minn. R. 7050.0186, Subp. 1a.B]

Appendix A. Alum or Ferric Chloride Phosphorus Treatment Systems

Table 1:
Monitoring parameters during operation

Station	Alum parameters	Ferric parameters	Units	Frequency
Upstream-background	Total Phosphorus	Total Phosphorus	mg/L	1 x week
	Dissolved Phosphorus	Dissolved Phosphorus	mg/L	1 x week
	Total Aluminum	Total Iron	mg/L	1 x month
	Dissolved Aluminum	Dissolved Iron	mg/L	1 x week
	pH	pH	SU	1 x week
	Flow	Flow	Mgd	Daily
Alum or Ferric Chloride Feed	Alum	Ferric	Gallons	Daily total dosed in gallons
Discharge from treatment	Total Phosphorus	Total Phosphorus	mg/L	1 x week
	Dissolved Phosphorus	Dissolved Phosphorus	mg/L	1 x week
	Total Aluminum	Total Iron	mg/L	1 x month
	Dissolved Aluminum	Dissolved Iron	mg/L	1 x week
	pH	pH	SU	1 x week
	Flow	Flow	Mgd	Daily

Appendix B. Schedules

Table 2:
Existing Permittees - Schedule of permit requirements

<i>Permit requirement</i>	<i>Schedule</i>
Section 12. Stormwater Pollution Prevention Program (SWPPP) Document • <i>Submit the SWPPP Document completed in accordance with Section 12.</i>	• Within 150 days after General Permit issuance date.
Section 13. Stormwater Pollution Prevention Program (SWPPP) • <i>Complete revisions to incorporate the new requirements of Sections 14 - 23 into current SWPPP.</i>	• Within 12 months of the date General Permit coverage is extended, unless other timelines have been specifically established in the General Permit and identified below.
Section 19. Construction Site Stormwater Runoff Control • <i>Complete revisions to Construction Site Stormwater Runoff Control program, including revisions to regulatory mechanism(s), if necessary.</i> • <i>When the CSW Permit is reissued, revise regulatory mechanism(s), if necessary, to be at least as stringent as the requirements for erosion, sediment, and waste controls described in the CSW Permit.</i>	• Within 12 months of the date General Permit coverage is extended. • Within 12 months of the issuance date of the CSW Permit (expected issuance date of the CSW Permit is August 1, 2023).
Section 21. Pollution Prevention/Good Housekeeping for Municipal Operations • <i>Conduct structural stormwater best management practice (BMP) inspections.</i> • <i>Conduct pond and outfall inspections.</i>	• Each calendar year. • Prior to the expiration date of the General Permit.
Section 22. Discharges to Impaired Waters with a USEPA-Approved TMDL that includes an Applicable WLA • <i>Submit all information required in item 22.2.</i> • <i>Meet requirements for applicable WLAs for bacteria, chloride, and temperature in Section 22.</i>	• With each annual report. • Within 12 months of the date General Permit coverage is extended.
Section 25. Annual Assessment, Annual Reporting, and Recordkeeping • <i>Conduct assessment of the SWPPP.</i> • <i>On a form provided by the Agency, submit an annual report.</i>	• Prior to completion of each annual report. • By June 30th of each calendar year.

Table 3:
New Permittees - Schedule of permit requirements

<i>Permit requirement</i>	<i>Schedule</i>
Section 10. New Permittee Applicants • <i>Submit Part 1, and Part 2 of the permit application as required by Section 12.</i>	• Within 18 months of written notification from the Commissioner that the MS4 meets the criteria in Minn. R. 7090.1010, subp. 1.A. or B. and General Permit coverage is required.
Section 13. Stormwater Pollution Prevention Program (SWPPP) • <i>Complete all requirements of Sections 14 - 23.</i>	• Within 36 months of the date General Permit coverage is extended, unless other timelines have been specifically established in the General Permit and identified below; or • Within timelines established by the Commissioner in item 8.3.
Section 14. Mapping • <i>Develop a storm sewer system map.</i>	• Within 24 months of the date General Permit coverage is extended.
Section 18. Illicit Discharge Detection and Elimination • <i>Develop, implement, and enforce an Illicit Discharge Detection and Elimination Program.</i>	• Within 12 months of the date General Permit coverage is extended.
Section 19. Construction Site Stormwater Runoff Control • <i>Develop, implement, and enforce a Construction Site Stormwater Runoff Control Program.</i> • <i>When the CSW Permit is reissued, revise regulatory mechanism(s), if necessary, to be at least as stringent as the requirements for erosion, sediment, and waste controls described in the CSW Permit.</i>	• Within 12 months of the date General Permit coverage is extended. • Within 12 months of the issuance date of the CSW Permit (expected issuance date of the CSW Permit is August 1, 2023).
Section 20. Post-Construction Stormwater Management • <i>Develop, implement, and enforce a Post-Construction Stormwater Management program.</i>	• Within 24 months of the date General Permit coverage is extended.
Section 21. Pollution Prevention/Good Housekeeping for Municipal Operations • <i>Conduct structural stormwater BMP inspections.</i> • <i>Conduct pond and outfall inspections.</i>	• Each calendar year. • Prior to the expiration date of the General Permit.
Section 22. Discharges to Impaired Waters with a USEPA-Approved TMDL that includes an Applicable WLA • <i>Submit all information required in item 22.2.</i> • <i>Meet requirements for applicable WLAs for bacteria, chloride, and temperature in Section 22.</i>	• With each annual report. • Within 12 months of the date General Permit coverage is extended.
Section 23. Alum or Ferric Chloride Phosphorus Treatment Systems (if applicable) • <i>Meet requirements for treatment systems in Section 23.</i>	• Within 12 months of the date General Permit coverage is extended.
Section 25. Annual SWPPP Assessment, Annual Reporting, and Recordkeeping • <i>Conduct assessment of the SWPPP.</i> • <i>On a form provided by the Agency, submit an annual report.</i>	• Prior to completion of each annual report. • By June 30th of each calendar year.



AGENDA REPORT

Meeting Date: July 12, 2022

Meeting Type: Environmental Quality and Energy (EQEC) Commission

Submitted By: Rachel Workin, Environmental Planner

Title

Energy Action Plan Updates

Background

At the November 9 meeting, the EQEC recommended adoption of Phase 2 of the Energy Action Plan. The following activities were completed this past month:

- Tabling at June 21 concert
- EV car show
- New round of water efficiency rebate funding available
- Social media on electric lawn equipment

The following activities are projected in the next month:

- Developing loanable home energy kit
- Beginning SolSmart programming
- Preparing for "business blitz"

Recommendation

Commissioners should review and discuss if there are other activities that should be considered.

Attachments and Other Resources

- None

Vision Statement

We believe Fridley will be a safe, vibrant, friendly and stable home for families and businesses.



AGENDA REPORT

Meeting Date: July 12, 2022

Meeting Type: Environmental Quality and Energy
(EQEC) Commission

Submitted By: Rachel Workin, Environmental Planner

Title

Grant Updates

Background

The purpose of this item is to provide Commissioners updates on sustainability grants held by the City.

Grants in the Pre-Application Stage

- CCWD grant for Apex Pond improvements

Grants Under Review

- Met Council Regional Solicitation Grant for 44th Avenue Bridge w/ Anoka County

Active Grants

- Recycling grant (ongoing)
- CCWD grant for Craig Park improvements
- BWSR/RCWD grant for Moore Lake IESF project
- DNR grant for mitigating impacts of EAB
- RCWD grant for 6 raingardens in Rice Creek Terrace neighborhood
- RCWD grant for road diet on University Ave Service Rd
- Met Council Water Efficiency Grant pt 2
- LRIP grant for 53rd Avenue Trail Project
- RS grant for 7th St Trail Project
- CCWD grant for hydrodynamic separator in 2022 Street Project Area
- RCWD grant for sumps in Farr Lake neighborhood
- University Avenue Lighting Project
- SHIP grant for Civic Campus orchard
- Lawns to Legumes Demonstration Neighborhood Grant (ACD grant in partnership with Coon Rapids, and Lino Lakes)
- Met Council Climate Mitigation grant for feasibility study of 73rd Ave
- BWSR HELPP grant for native plant restoration on Commons Park hillside
- Met Council Water Efficiency Grant pt 3
- Lawns to Legumes grant for Craig Park Bee Lawn

Vision Statement

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Grants Closed (1/1/2021+)

- SHIP grant for wayfinding kiosk
- MDH Well Sealing Grant
- SHIP grant for bike fleet (SNC/Recreation)

Recommendation

Commissioners should review and discuss if there are other activities that should be considered.

Attachments and Other Resources

- None

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2022 Outreach Events

Background

Outreach at community events is an important strategy to build environmental awareness and increase engagement. Events that have been completed since the last meeting as well as upcoming outreach events are listed below.

Completed events (6/14-7/12)

- Park Plaza Recycling Dropoff
- 49rs Day (June 17)
 - Kids Party Tabling
 - EV Showcase
- June 21 Energy tabling at concert series

Confirmed events and topics

- Recycling Drop-offs (5 in 2022)
- Book Swap (July 19 before Civic Campus concert)
- Garage Sale/Trash to Treasure Day (7/22-7/24)
- Book Swap- (8/10 before Kids Concert)
- Night to Unite (8/2)
 - Green Block Parties

Potential Events

- Community wide clean up (TBD)
- Pumpkin Night in the Park
 - Energy
- Coats from Cops
 - Light bulbs give away
 -

Recommendation

Commissioners should discuss if there are other community events that are a priority, what topics should be highlighted, and if there is an interest in commissioner involvement.

Vision Statement

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Attachments and Other Resources

- None

Vision Statement

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Title

Informal Status Reports

Background

Staff and Commissioners will share informal status reports on programs happening in the City.

Recommendation

None

Attachments and Other Resources

None

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