

# MS4 Annual Report for 2020

## **Municipal Separate Storm Sewer Systems (MS4s)**

Reporting period January 1, 2020, to December 31, 2020 Due June 30, 2021

Doc Type: Permitting Annual Report

Introduction: This document is a formatted version of the MS4 Annual Report for 2020, 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, 2020, and December 31, 2020. For more information about the annual report, please visit the Minnesota Pollution Control Agency's (MPCA) MS4 annual report website at <a href="https://stormwater.pca.state.mn.us/index.php?title=MS4\_Annual\_Report">https://stormwater.pca.state.mn.us/index.php?title=MS4\_Annual\_Report</a>.

	ne: Leslie Stovring		
	address: 8080 Mitchell Road, Engineering		
ity:	Eden Prairie	State: MN Zip code: 553	44
hone:	952-949-8327	Email: <u>Istovring@edenprairie.org</u>	
repa	nrer contact information (if differe	ent from the MS4 General contact)	
ull nan	ne:	Title:	
rganiz	ation:		
lailing	address:		
		State: Zip code:	
IUIIG.		Email:	
Q3	term? [Part III.D.1.a.(1)] If "Yes" in Q2, what is your stormwater-relate	high priority to be emphasized during this Permit ed issue(s)?	Yes
	Q3 Options	Q3 – your answers	_
	Q3:1 TMDL(s)		=
	Q3:2 Local businesses		_
	Q3:3 Residential BMPs		_
	Q3:4 Pet waste	Pet waste	_
	Q3:5 Yard waste	B	=
	Q3:6 Deicing materials	Deicing materials	=
	Q3:7 Household chemicals Q3:8 Construction activities		_
	Q3:9 Post-construction activities		=
	Q3:10 Other		_
		1	=
	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 requ	Yes	
Q6			[see table below]
	How did you distribute educational materials or equivalent outreach? [Part III.D.1.a.]		
Q7	For the items listed in Q6, who is the intende		[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						175
Newsletter Utility bill insert: merge	Newsletter	Residents	Local Businesses		Students	Employees		26163
Newspaper ad								
Radio ad								
Television ad								
Cable access channel								
Stormwater-related event School project or presentation	Stormwater-related event	Residents	Local Businesses		Students	Employees		175
Website Other (1)	Website Other (1)	Residents Residents	Local Businesses	Developers		Employees		40000 9199
describe:	Facebook / Twitter							
Other (2)	Other (2)	Residents	Local Businesses	Developers	Students	Employees	Other	31638
Other (3)	Other (3)	Residents	Local Businesses		Students			3622
describe:	Sustainable Eden Prairie	Email List						

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, 2020 to December 31, 2020. [Part III.D.1.c.(4)]

Q9 Date of activity	Q10 Description of activity
6/17/2020	Webinar - Landscaping for Pollinators
8/5/2020	Webinar - Landscaping for Water Sustainability
8/19/2020	Webinar - Landscaping for Climate Change
10/8/2020	Friends of Red Rock Lake - Annual Meeting Presentation on Water Resource Programs and Lake Quality
6/20/2020	Annual City-Wide Drop-off Day
4/28/2020	Spring Recycling Pickup Event
3/18/2020	Zero Waste Workshop
10/5/2020	Fall Curbside Recycling Event

Q11	Between January 1, 2020, and December 31, 2020, 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, 2020, and December 31, 2020? [Part III.D.2.a.(1)]

Yes	

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Q13	If 'Yes' in Q12, what was the opportunity that		
	Q13 Options Q13:1 Public meeting	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 standard of the public meeting:	and-alone meeting or combine it with another event?	
	Number of citizens that attended and were i	informed about your SWPPP:	
Q15	If "Public event" in <b>Q13</b> , describe:		
QIO	ii i dallo ovolit iii <b>q i o</b> , docoribo.		
	Date of the public event:		
	Number of citizens that attended and were i	nformed about your SWPPP:	
Q16	If "Other" in Q13, describe:		
	instead. This was published in the local pap on the website. The number below estimate the two public comment periods and SWPP	on meeting, a second comment period was provided er, sent via City News email (31,638 subscribers) and as the number of local residents that were informed of P availability between all of the notices regarding the sent via email, phone or email. No comments were	
	Date of this action:		3/21/2020
	Number of citizens that attended and were i	informed about your SWPPP:	26000
Q17	Between January 1, 2020, and December 3 SWPPP?	No	
	If 'Yes,' enter the total number of individuals SWPPP:		
Q18	If 'Yes' in Q17, did you modify your SWPPP		
	If "Yes," describe those modifications:		
Q19	Between January 1, 2020, and December 3 or future plans for your public education and	1, 2020, did you modify your BMPs, measurable goals, d outreach program? [Part IV.B.]	No
	If "Yes," describe those modifications:		
	3: Illicit discharge detection an		
ne toli	owing questions refer to Part III.D.3. of the	e Permit.	
Q20	Do you have a regulatory mechanism which	Yes	
Q21	Did you identify any illicit discharges betwee III.D.3.h.(4)]	Yes	
Q22	If 'Yes' in Q21, enter the number of illicit discharges detected:		_17
Q23	If 'Yes' in Q21, how did you discover these i		
	Q23:1 Public complaint	Public complaint	
	Q23:2 Staff	Staff	
Q24			14
Q25	If 'Staff' in Q23, enter the number discovered by staff:		3

includes verbal warnings)?  Q27 If 'Yes' in Q26, what type of enforcement action(s) was taken and how m		ction(s) was taken and how many of each action were	Yes		
-	issued between January 1, 2020, and December 31, 2020?				
	Q27 Options	Q27 – your answers			
	Q27:1 Verbal warning	Verbal warning	4		
	Q27:2 Notice of violation				
	Q27:3 Fine				
	Q27:4 Criminal action				
	Q27:5 Civil penalty				
	Q27:6 Other	Other	2		
	If "Other," describe:				
	Email notification				
8	If 'Ves' in O26, did the enforcement action(	s) taken sufficiently address the illicit discharge(s)?	Yes		
	•	, , , , , , , , , , , , , , , , , , , ,	100		
9	If 'No' in Q28, why was the enforcement no	ot sufficient to address the illicit discharge(s):			
80		se Procedures (ERPs) to compel compliance with your			
	illicit discharge regulatory mechanism(s)? [		Yes		
1	Between January 1, 2020, and December 3	31, 2020, did you train all field staff in illicit discharge			
	recognition (including conditions which cou	ıld cause illicit discharges) and reporting illicit			
	discharges for further investigations? [Part	III.D.3.e.]	Yes		
2	If 'Yes' in Q31, how did you train your field	staff?			
,_	Q32 Options	Q32 – your answers			
	Q32:1 Email	Email	=		
	Q32:2 PowerPoint		-		
	Q32:3 Presentation		=		
	Q32:4 Video	Video	=		
	Q32:5 Field training		=		
	Q32:6 Other		=		
	If "Other," describe:		-		
	ii Otilei, describe.				
oll	owing questions refer to Part III.C.1. of th	e Permit.			
3		nap between January 1, 2020, and December 31, 2020?			
	[Part III.C.1.]		Yes		
34		es 12 inches or greater in diameter and the direction of			
	stormwater flow in those pipes? [Part III.C.	1.a.]	Yes		
5	Does your storm sewer map include outfall	s, including a unique identification (ID) number and an			
	associated geographic coordinate? [Part III		Yes		
6	Does your storm sewer map include all stru	uctural stormwater BMPs that are part of your MS4?			
_	[Part III.C.1.c.]	and the second s	Yes		
	Does your storm sewer man include all rec	eiving waters? [Part III C 1 d ]	Yes		
7	Does your storm sewer map include all receiving waters? [Part III.C.1.d.]				
7 8	In what format is your storm sewer map av	11.11.0	GIS		

	Between January 1, 2020, and December 31, 2020, did you modify your BMPs, measurable goals
	or future plans for your illicit discharge detection and elimination (IDDE) program?
	If "Yes " describe those modifications:

No

#### MCM 4: Construction site stormwater runoff control

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me	ionowina	uuestions	reiei io	raiti	II.D.4.	or me	remm.

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, 2020 and December 31, 2020:

14

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, 2020, to December 31, 2020.

Q44 Options	Q44 – your answers	
Q44:1 Verbal warning	Verbal warnings	5
Q44:2 Notice of violation	Notice of violation	1
Q44:3 Administrative order		
Q44:4 Stop-work order	Stop-work orders	0
Q44:5 Fine	Fines	0
Q44:6 Forfeit of security bond money	Forfeit of security of bond money	0
Q44:7 Withholding of certificate of occupancy	Withholding of certificate of occupancy	0
Q44:8 Criminal action		
Q44:9 Civil penalty	Civil penalties	0
Q44:10 Other	Other	0

If "Other," describe:

PermiTrack warnings and reminders about inspection result requirements via email (31).

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, 2020, and December 31, 2020:

8

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	Compliance history
Q48:6 Weather conditions	Weather conditions
Q48:7 Citizen complaints	Citizen complaints
Q48:8 Project size	Project size
Q48:9 Other	Other

If "Other," describe:

History with contractor

Q49 Do you have a checklist or other written means to document site inspections when determining compliance? [Part III.D.4.d.(4)]

Yes

Q50	Enter the number of site in 2020, and December 31,		or sites an acre or greater between January 1,	283
Q51	Enter the frequency at wh III.D.4.d.(2)]:	ich site inspections are		
	Our Developer's Agreeme into PermiTrack. City staff needed during construction complaints. Site condition			
Q52	Enter the number of trained between January 1, 2020,	2		
Q53	Provide the contact inform stormwater inspections fo have multiple inspectors.			
	1 Inspector name:	Randy Slick		
	Organization:	City of Eden Prairie		_
	Office phone: Work/Cell phone:	952-949-8322		<del>-</del> -
	Email address: Preferred contact	RSlick@edenprairie.org		<del>-</del> -
	method:	email		
	2 Inspector name:	Corey Kurth		_
	Organization:	City of Eden Prairie		_
	Office phone:	952-949-8330		_
	Work/Cell phone:	_		_
	Email address:	CKurth@edenprairie.org	J	_
	Preferred contact method:	email		_
	3 Inspector name:			_
	Organization:			
	Office phone:			=
	Work/Cell phone:			_
	Email address:			_
	Preferred contact method:			_
Q54	What training did inspecto	ors receive?		
	Q54 Options		Q54 – your answers	
	Q54:1 University of Mir		University of Minnesota Erosion and Stormwater	
		ent Certification Program	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 Erosior Water Inspector (CESS			
	Q54:8 Other			
	If "Other," describe:			
Q55			20, did you modify your BMPs, measurable goals,	Ma
	or future plans for your co	No		
	If "Yes," describe those m	odifications:		

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### MCM 5: Post construction stormwater management

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i ne	ronowina	auestions	reter to	Part	III.D.Ə.	. or tne	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 <a href="http://www.pca.state.mn.us/index.php/view-document.html?gid=17815">http://www.pca.state.mn.us/index.php/view-document.html?gid=17815</a> for quidance 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	
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 defensiblee.g., based on modeling, research and acceptable engineering practices)	Other method (Must be technically defensiblee.g. based on modeling, research and acceptable engineering practices)

If "Other," describe:

Must also meet all Watershed District requirements, all have their own rules.

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, 2020, and December 31, 2020, did you modify your BMPs, measurable goals, or future plans for your post-construction site stormwater management program? [Part IV.B.]

Yes

If "Yes," describe those modifications:

Worked with the Lower Minnesota River Watershed District while they developed and adopted new rules, including stormwater requirements. They review and inspect construction and stormwater requirements within their area.

# 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
 682

 Q60:b Outfalls
 1503

 Q60:c Ponds
 773

Q61 Enter the number of structural stormwater BMPs, outfalls (excluding underground outfalls), and ponds that were inspected from January 1, 2020, to December 31, 2020, within your MS4 (exclude privately owned). [Part III.D.6.e.]

Q61:a Structural stormwater BMPs

Q61:b Outfalls

244

Q61:c Ponds <u>128</u>

Have you developed an alternative inspection frequency for any structural stormwater BMPs, as allowed in Part III.D.6.e.(1) of the Permit?

Yes

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:	
	Due to reduced staff as a result of Covid, structural stormwater BMP inspections were reduced in 2020. However, maintenance issues were addressed as staff was available. This included sump cleanouts, minor dredging, inlet cleaning, pipe jetting, pipe repairs, pipe replacements, and erosion gully stabilization type projects.	
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:	
	Minor maintenance including items such as erosion, swept up eroded materials, etc.	
Q69	Between January 1, 2020, and December 31, 2020, did you modify your BMPs, measurable goals, or future plans for your pollution prevention/good housekeeping for municipal operations program? [Part IV.B.]	Yes
	If 'Yes' in Q69, describe those modifications:	
	The only and difference of the first term of Oasid	
	The only modifications were due to the limitations of Covid.	
	arges to impaired waters with an USEPA-approved TMDL that includes an	applicable WLA
f requir		applicable WLA
f requir	arges to impaired waters with an USEPA-approved TMDL that includes an	applicable WLA
f requir	arges to impaired waters with an USEPA-approved TMDL that includes an ed, you must complete the TMDL Annual Report Form, available on the MPCA's website at communication of the management of t	applicable WLA
f requir https://st	arges to impaired waters with an USEPA-approved TMDL that includes an ed, you must complete the TMDL Annual Report Form, available on the MPCA's website at cormwater.pca.state.mn.us/index.php?title=Download_page_with_TMDL_forms.  our completed TMDL Annual Report Form as instructed in the online Annual Report. [Part III.E]	applicable WLA
f requir https://st Attach yo Q71	arges to impaired waters with an USEPA-approved TMDL that includes an ed, you must complete the TMDL Annual Report Form, available on the MPCA's website at cormwater.pca.state.mn.us/index.php?title=Download_page_with_TMDL_forms.  our completed TMDL Annual Report Form as instructed in the online Annual Report. [Part III.E]	applicable WLA
f requir https://st Attach yo Q71 <b>Alum</b> The follo	arges to impaired waters with an USEPA-approved TMDL that includes an ed, you must complete the TMDL Annual Report Form, available on the MPCA's website at commutater.pca.state.mn.us/index.php?title=Download_page_with_TMDL_forms.  Our completed TMDL Annual Report Form as instructed in the online Annual Report. [Part III.E]  If a file was successfully uploaded, a reference number will appear:	
f requir https://st Attach yo Q71 <b>Alum</b> The follo	arges to impaired waters with an USEPA-approved TMDL that includes an ed, you must complete the TMDL Annual Report Form, available on the MPCA's website at commutater.pca.state.mn.us/index.php?title=Download_page_with_TMDL_forms.  our completed TMDL Annual Report Form as instructed in the online Annual Report. [Part III.E]  If a file was successfully uploaded, a reference number will appear:  or Ferric Chloride Phosphorus Treatment Systems (not required)  owing questions refer to Part III.F.3.a. of the Permit. Provide the information below as it pertain	

	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				

August September October November December

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June		
July		
August		
September		
October		
November		
December		

Q77 Any performance issues and corrective action(s), including the date(s) when corrective action(s) were taken, between January 1, 2020, and December 31, 2020:

# **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\_2020AR to <a href="mailto:ms4permitprogram.pca@state.mn.us">ms4permitprogram.pca@state.mn.us</a>.

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

ref:0000000025:Q80

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

ref:0000000025:Q81

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

651-296-6300

ref:0000000025:Q82

Q83 Optional, describe the file(s) uploaded:

Public Meeting Affidavits and notice.

# 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: Rick Getschow

Title: City Manager

Date: 6/21/2021

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