Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194

TMDL Annual Report Form

Municipal Separate Storm Sewer Systems (MS4) Program

Doc Type: Annual Report

Form Information

This form is to be completed annually by MS4s in order to track the completed BMP activities and to calculate the cumulative loading reduction for specific pollutants of concern associated with each applicable WLA. Navigate through this form using the tabs at the bottom of the page. All information is collected in accordance with Part III.E of the MS4 Permit.

Green Tabs (REQUIRED): user-input worksheet
Blue Tabs (hidden*): optional user-input worksheet
Yellow Tabs (hidden*): reference worksheet

*Reveal hidden spreadsheet tabs by navigating to Home->Cells->Format->Hide & Unhide->Unhide Sheet

Please refer to the Guidance for Completing the TMDL Reporting Form in the Minnesota Stormwater Manual for additional assistance and instructions. Sections of the guidance are hyperlinked throughout this spreadsheet.

User Information

Date Updated: 31-May-22

Permittee: Roseville City

Permit ID: MS400047

Contact Name: Ryan Johnson

Contact Phone: 651-792-7049

Contact email: ryan.johnson@cityofroseville.com

Mailing address: 2660 Civic Center Drive, Roseville, MN 55113

Reporting Year	Data Entry Date	Entered by	Notes
2014	26-Jun-15	Ryan Johnson	
2015	10-May-16	Ryan Johnson	
2016	27-Apr-17	Ryan Johnson	Updated Category 3 BMP's on 11-Sep-17 per MPCA comment.
2017	4-May-18	Ryan Johnson	
2018	16-May-19	Ryan Johnson	
2019	15-Jun-20	Ryan Johnson	
2020	8-Jun-21	Ryan Johnson	
2021	31-May-22	Ryan Johnson	

BMP - Activities Completed Spreadsheet

For MPCA use only			Required		Optional	Required							Optional		Required: Place an "X" in a cell if the BMP applies to the TMDL shown in the column
															Como Lake: Excess Nutrients TMDL
Entry ID	Permittee	MS4 ID	Reporting year	BMP/Activity	BMP Description	Location and ID Information Needed?	BMP ID	y-coord (lat, e.g. 44.9866)	x-coord (long, e.g. -93.2581)	Coordinate system (e.g. lat-long, UTM)	Who owns this BMP/activity?	If applicable, name other owner(s)	Year when BMP was implemented	Note(s)	Como Lake - Phosphorus
MS400047-1	Roseville City	MS400047	2014	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	04-001CP	44.98149843	-93.16557527	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Arlington-Pascal Project - Asbury RG South	X
MS400047-2	Roseville City	MS400047	2014	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	04-001CP	44.98165653	-93.16559136	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Arlington-Pascal Project - Asbury RG North	X
MS400047-3	Roseville City	MS400047	2014	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	04-001CP	44.98260893	-93.15949202	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Arlington-Pascal Project - Frankson McKinley RG	X
MS400047-4	Roseville City	MS400047	2014	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	04-001CP	44.98445802	-93.15949202	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Arlington-Pascal Project - Arlington McKinley RG	X
MS400047-5	Roseville City	MS400047	2014	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	04-001CP	44.98545969	-93.15949202	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Arlington-Pascal Project - Pascal RG South	X
MS400047-6	Roseville City	MS400047	2014	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	04-001CP	44.98564181	-93.15949202	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Arlington-Pascal Project - Pascal RG Middle	X
MS400047-7	Roseville City	MS400047	2014	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	04-001CP	44.98581128	-93.16169143	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Arlington-Pascal Project - Pascal RG North	X
MS400047-8	Roseville City	MS400047	2014	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	04-001CP	44.98154397	-93.15628409	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Arlington-Pascal Project - Hamline Midway RG	X
MS400047-9	Roseville City	MS400047	2014	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	04-001CP	44.98437455	-93.15614462	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Arlington-Pascal Project - Como Golf Course Pond	X
MS400047-10	Roseville City	MS400047	2014	Constructed_basin	Wet pond/wet detention pond	Complete columns H through K	04-001CP	44.98740987	-93.15284014	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2008	Como Regional Pond	X
MS400047-11	Roseville City	MS400047	2014	Infiltrator	Infiltration trench	Complete columns H through K	04-001CP	44.98637029	-93.16341877	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Arlington-Hamline Facility	X
MS400047-12	Roseville City	MS400047	2014	Infiltrator	Infiltration trench	Complete columns H through K	04-001CP	44.98637788	-93.16273212	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Infiltration Trench 1	X
MS400047-13	Roseville City	MS400047	2014	Infiltrator	Infiltration trench	Complete columns H through K	04-001CP	44.98638546	-93.16115499	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Infiltration Trench 2	X
MS400047-14	Roseville City	MS400047	2014	Infiltrator	Infiltration trench	Complete columns H through K	04-001CP	44.98638799	-93.1598568	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Infiltration Trench 3	X
MS400047-15	Roseville City	MS400047	2014	Infiltrator	Infiltration trench	Complete columns H through K	04-001CP	44.98452632	-93.1650281	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Infiltration Trench 4	X
MS400047-16	Roseville City	MS400047	2014	Infiltrator	Infiltration trench	Complete columns H through K	04-001CP	44.98455667	-93.16372991	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Infiltration Trench 5	X
MS400047-17	Roseville City	MS400047	2014	Infiltrator	Infiltration trench	Complete columns H through K	04-001CP	44.9845592	-93.16273749	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Infiltration Trench 6	X

Entry ID	Permittee	MS4 ID	Reporting year	BMP/Activity	BMP Description	Location and ID Information Needed?	BMP ID	y-coord (lat, e.g. 44.9866)	x-coord (long, e.g. -93.2581)	Coordinate system (e.g. lat-long, UTM)	Who owns this BMP/activity?	If applicable, name other owner(s)	Year when BMP was implemented	Note(s)		Como Lake - Phosphorus
MS400047-18	Roseville City	MS400047	2014	Infiltrator	Infiltration trench	Complete columns H through K	04-001CP	44.98459461	-93.15859079	Lat-long	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County	2007	Infiltration Trench 7		X
MS400047-19	Roseville City	MS400047	2014	Infiltrator	Infiltration trench	Complete columns H through K	08-008	44.99262619	-93.15017939	Lat-long	Permittee (you)	NA	2008	Roseville Rainbow Foods		X
MS400047-20	Roseville City	MS400047	2014	Supplemental_public_education_outreach	Publications	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA		Roseville stormwater management webpage updates		X
MS400047-21	Roseville City	MS400047	2014	Supplemental_street_sweeping	Street sweeping	No ID information needed	NA	NA	NA	NA	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County				X
MS400047-22	Roseville City	MS400047	2014	BMP_improvement_enhancement_retrofitting	BMP maintenance	No ID information needed	NA	NA	NA	NA	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County		Catch basin cleaning		X
MS400047-23	Roseville City	MS400047	2014	BMP_improvement_enhancement_retrofitting	Clean and repair stormwater structures	No ID information needed	NA	NA	NA	NA	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County		Stormwater BMP maintenance		X
MS400047-24	Roseville City	MS400047	2014	Supplemental_public_education_outreach	Presentations	No ID information needed	NA	NA	NA	NA	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County		Public education activities		X
MS400047-25	Roseville City	MS400047	2014	Supplemental_employee_education_training	Staff training	No ID information needed	NA	NA	NA	NA	Other MS4 permittee	CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey County		Municipal training on winter road, parking lot and sidewalk maintenance		X
MS400047-26	Roseville City	MS400047	2015	Infiltrator	Underground infiltration	Complete columns H through K	15-181	44.992739	-93.139299	Lat-long	Permittee (you)	NA	2015	36" underground infiltration trench		x
MS400047-27	Roseville City	MS400047	2015	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-182	44.992147	-93.139584	Lat-long	Permittee (you)	NA	2015	Raingarden at Church		x
MS400047-28	Roseville City	MS400047	2016	Supplemental_employee_education_training	Staff training	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2016	Municipal training on winter road, parking lot and sidewalk maintenance		x
MS400047-29	Roseville City	MS400047	2015	Supplemental_public_education_outreach	Workshops/Clinics	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2015	Catch basin stenciling		x
MS400047-30	Roseville City	MS400047	2016	Supplemental_street_sweeping	Increased sweeping frequency	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2016	Extra street sweeping and sump cleaning with underground infiltration trenches on Victoria St.		x
MS400047-31	Roseville City	MS400047	2015	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K		44.98323563	-93.15341681	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Infiltration Basin		x
MS400047-32	Roseville City	MS400047	2015	Infiltrator	Infiltration trench	Complete columns H through K		44.97803977	-93.13554525	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Infiltration Basin 1		x
MS400047-33	Roseville City	MS400047	2015	Infiltrator	Infiltration trench	Complete columns H through K		44.97785455	-93.13572764	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Infiltration Basin 2		x
MS400047-34	Roseville City	MS400047	2015	Infiltrator	Infiltration trench	Complete columns H through K		44.96975318	-93.1415534	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Infiltration Trench 1		x
MS400047-35	Roseville City	MS400047	2015	Infiltrator	Infiltration trench	Complete columns H through K		44.96890305	-93.14148903	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Infiltration Trench 2		x
MS400047-36	Roseville City	MS400047	2015	Infiltrator	Infiltration trench	Complete columns H through K		44.97310806	-93.13648939	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Infiltration Trench 3		x
MS400047-37	Roseville City	MS400047	2015	Infiltrator	Permeable pavement with no underdrain	Complete columns H through K		44.97304126	-93.13646793	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Pervious Pavers		x
MS400047-38	Roseville City	MS400047	2015	Infiltrator	Infiltration trench	Complete columns H through K		44.99175515	-93.14721823	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Infiltration System		x
MS400047-39	Roseville City	MS400047	2015	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K		44.9755535	-93.14995944	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	1st Rain Garden		x
MS400047-40	Roseville City	MS400047	2015	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K		44.97581686	-93.14996481	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	2nd Rain Garden		x
MS400047-41	Roseville City	MS400047	2015	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K		44.97582445	-93.14961612	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	3rd Rain Garden		x
MS400047-42	Roseville City	MS400047	2015	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K		44.97562712	-93.14922988	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	4th Rain Garden		x
MS400047-43	Roseville City	MS400047	2015	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K		44.97612424	-93.14845204	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	5th Rain Garden		x
MS400047-44	Roseville City	MS400047	2015	Infiltrator	Infiltration trench	Complete columns H through K		44.98169511	-93.1533578	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Como Gorilla Subsurface Infiltration Pipe Gallery		x
MS400047-45	Roseville City	MS400047	2015	Infiltrator	Infiltration trench	Complete columns H through K		44.98169511	-93.1533578	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Como Gorilla 2nd Subsurface Infiltration Pipe Gallery		x
MS400047-46	Roseville City	MS400047	2015	Infiltrator	Infiltration trench	Complete columns H through K		44.9757004	-93.1442032	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Twin Cities German Immersion School		x
MS400047-47	Roseville City	MS400047	2015	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K		44.9872017	-93.1564026	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Chelsea Heights Rain Garden		x
MS400047-48	Roseville City	MS400047	2015	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K		44.986599	-93.1569977	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Como Language School Rain Garden		x
MS400047-49	Roseville City	MS400047	2015	Manufactured_device	Hydrodynamic separator	No ID information needed	NA	44.9789009	-93.153801	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	W Picnic lot Stormceptor		x

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MS400047-50	Roseville City	MS400047	2015	Infiltrator	Underground infiltration	Complete columns H through K		44.9789009	-93.153801	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	W Picnic lot Drain (Dry Well)		x
MS400047-51	Roseville City	MS400047	2015	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K		44.9812012	-93.1547012	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Como Amusment Park Rain Garden		x
MS400047-52	Roseville City	MS400047	2015	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K		44.9822998	-93.1405029	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Lakeview Rain Garden East of Lake		x
MS400047-53	Roseville City	MS400047	2015	Swale_or_strip	Dry swale	Complete columns H through K		44.9864006	-93.1451035	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Nebraska Ave W swale		x
MS400047-54	Roseville City	MS400047	2015	Infiltrator	Underground infiltration	Complete columns H through K		44.9803009	-93.1514969	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Palm Lot Stormwater Recharge		x
MS400047-55	Roseville City	MS400047	2015	Infiltrator	Underground infiltration	Complete columns H through K		44.9752007	-93.1524963	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	McMurray Soccer Field 1		x
MS400047-56	Roseville City	MS400047	2015	Infiltrator	Underground infiltration	Complete columns H through K		44.9748993	-93.1504974	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	McMurray Soccer Field 2		x
MS400047-57	Roseville City	MS400047	2015	Infiltrator	Underground infiltration	Complete columns H through K		44.9742012	-93.1520996	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	McMurray Soccer Field 3		x
MS400047-58	Roseville City	MS400047	2015	Infiltrator	Underground infiltration	Complete columns H through K		44.9782982	-93.1335983	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	West Como Park Elementary School		x
MS400047-59	Roseville City	MS400047	2015	Infiltrator	Underground infiltration	Complete columns H through K		44.9780998	-93.1340027	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Dock Como Park Elementary School		x
MS400047-60	Roseville City	MS400047	2015	Infiltrator	Underground infiltration	Complete columns H through K		44.9821014	-93.1502991	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Japanese Garden		x
MS400047-61	Roseville City	MS400047	2015	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K		44.977079	-93.145001	Lat-long	Other MS4 permittee	CRWD & St Paul	2015	Como-Chatsworth West Infiltration Basin		x
MS400047-62	Roseville City	MS400047	2016	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K		44.977271	-93.144623	Lat-long	Other MS4 permittee	CRWD & St Paul	2016	Como-Chatsworth East Infiltration Basin		x
MS400047-63	Roseville City	MS400047	2016	Infiltrator	Infiltration trench	Complete columns H through K		44.974908	-93.139207	Lat-long	Other MS4 permittee	CRWD & St Paul	2016	Como-Chatsworth Infiltration Trench		x
MS400047-64	Roseville City	MS400047	2016	Manufactured_device	Manufactured filter	No ID information needed	NA	44.974771	-93.14859	Lat-long	Other MS4 permittee	CRWD & St Paul	2016	McMurray Field SAFL Baffle		x
MS400047-65	Roseville City	MS400047	2016	Infiltrator	Infiltration trench	Complete columns H through K	GP-1-4	44.99134	-93.15913	Lat-long	Other MS4 permittee	Falcon Heights	2015	Albert UG Infiltration Trench		x
MS400047-66	Roseville City	MS400047	2016	Infiltrator	Infiltration trench	Complete columns H through K	SP-1-1	44.99043	-93.16426	Lat-long	Other MS4 permittee	Falcon Heights	2015	Arona UG Infiltration Trench		x
MS400047-67	Roseville City	MS400047	2016	Infiltrator	Infiltration trench	Complete columns H through K	SP-1-2	44.98864	-93.1643	Lat-long	Other MS4 permittee	Falcon Heights	2015	Arona UG Infiltration Trench		x
MS400047-68	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	14-001	44.999222	-93.141741	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-69	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	14-002	44.999104	-93.144548	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-70	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	14-014	44.999088	-93.143136	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-71	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	14-034	44.999272	-93.14461	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-72	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-007	44.999124	-93.147497	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-73	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-008	44.999295	-93.149746	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-74	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-009	44.999268	-93.15063	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-75	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-010	44.999274	-93.150809	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-76	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-013	44.999118	-93.147786	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-77	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-021	44.999222	-93.152098	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-78	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-024	44.999285	-93.147611	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-79	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-026	44.999276	-93.148244	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-80	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-027	44.999207	-93.154218	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-81	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-033	44.999195	-93.155238	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-82	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-035	44.999066	-93.152205	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-83	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-037	44.999206	-93.154525	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-84	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-039	44.999037	-93.154709	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-85	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-040	44.999044	-93.154403	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-86	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-044	44.999103	-93.149423	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x
MS400047-87	Roseville City	MS400047	2017	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	15-045	44.999199	-93.153546	Lat-long	Permittee (you)	NA	2010	Roselawn Raingarden		x

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MS400047-88	Roseville City	MS400047	2017	Establish_ordinance	Stormwater control operation and maintenance	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2017	Engineering Standards		x
MS400047-89	Roseville City	MS400047	2017	Supplemental_public_education_outreach	Presentations	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2017	Public education activities		x
MS400047-90	Roseville City	MS400047	2017	Establish_ordinance	Post construction controls	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2017	Modified Ex Ordinance to increase effectiveness		x
MS400047-91	Roseville City	MS400047	2018	Supplemental_employee_education_training	Employee education	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Additional staff training - presentation		x
MS400047-92	Roseville City	MS400047	2017	Infiltrator	Infiltration trench	Complete columns H through K	NA	44.9798	-93.131831	Lat-long	Other MS4 permittee	Saint Paul	2017	Wheelock Parkway Infiltration Trench		x
MS400047-93	Roseville City	MS400047	2017	Manufactured_device	Hydrodynamic separator	No ID information needed	NA	44.9798	-93.131831	Lat-long	Other MS4 permittee	Saint Paul	2017	Wheelock Parkway CDS Structure		x
MS400047-94	Roseville City	MS400047	2017	Supplemental_employee_education_training	Workshops/Clinics	No ID information needed	NA	NA	NA	NA	Other MS4 permittee	Saint Paul	2017	Saint Paul Parks Staff Training		x
MS400047-95	Roseville City	MS400047	2017	Improved_lawn_turf_vegetation_soil_practices	Yard waste collection	No ID information needed	NA	NA	NA	NA	Other MS4 permittee	Saint Paul	2017	Como Active Citizen Network Spring and Fall Community Cleanups		x
MS400047-96	Roseville City	MS400047	2017	Improved_lawn_turf_vegetation_soil_practices		No ID information needed	NA	NA	NA	NA	Other MS4 permittee	Saint Paul	2017	Adopt-a-Drain Program		x
MS400047-97	Roseville City	MS400047	2017	Establish_ordinance	Stormwater control operation and maintenance	No ID information needed	NA	NA	NA	NA	Permittee (you)	Roseville	2017	Engineering standards		x
MS400047-98	Roseville City	MS400047	2017	Supplemental_public_education_outreach	Presentations	No ID information needed	NA	NA	NA	NA	Permittee (you)	Roseville	2017	Public education activities		x
MS400047-99	Roseville City	MS400047	2017	Establish_ordinance	Post construction controls	No ID information needed	NA	NA	NA	NA	Permittee (you)	Roseville	2017	Modified existing ordinance to increase effectiveness		x
MS400047-100	Roseville City	MS400047	2017	BMP_improvement_enhancement_retrofitting	BMP maintenance	No ID information needed	NA	NA	NA	NA	Other MS4 permittee	Ramsey County	2017	Identify permit requirements and BMPs for projects in 5-year Transportation Improvement Program		x
MS400047-101	Roseville City	MS400047	2017	BMP_improvement_enhancement_retrofitting	BMP maintenance	No ID information needed	NA	NA	NA	NA	Other MS4 permittee	Ramsey County	2017	Identify drainage improvements or potential BMPs in 5-year major road maintenance program		x
MS400047-102	Roseville City	MS400047	2018	Infiltrator	Underground infiltration	Complete columns H through K	18-001	44.976411	-93.135405	Lat-long	Other MS4 permittee	Saint Paul Public Schools	2018	CRWD, Saint Paul Public Works and Saint Paul Public Schools teamed up to build a series of large pipes, punched with thousands of holes in them, below the athletic field.		x
MS400047-103	Roseville City	MS400047	2019	Improved_lawn_turf_vegetation_soil_practices	Native planting	No ID information needed	NA	NA	NA	NA	Other MS4 permittee	Saint Paul	2019	SPPR Buffer planting- Area A		x
MS400047-104	Roseville City	MS400047	2019	Improved_lawn_turf_vegetation_soil_practices	Native planting	No ID information needed	NA	NA	NA	NA	Other MS4 permittee	Saint Paul	2019	SPPR Buffer planting- Area B		x
MS400047-105	Roseville City	MS400047	2019	Improved_lawn_turf_vegetation_soil_practices	Native planting	No ID information needed	NA	NA	NA	NA	Other MS4 permittee	Saint Paul	2019	SPPR Buffer planting- Area C		x
MS400047-106	Roseville City	MS400047	2019	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	19-039G	44.98673168	-93.16160381	Lat-long	Other MS4 permittee	CRWD	2019	Ness-Nesje Rain Garden		x
MS400047-107	Roseville City	MS400047	2019	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	19-017G	44.99571918	-93.14709842	Lat-long	Other MS4 permittee	CRWD	2019	MNLA Rain Garden A		x
MS400047-108	Roseville City	MS400047	2019	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	19-017G	44.9957078	-93.14667463	Lat-long	Other MS4 permittee	CRWD	2019	MNLA Rain Garden B		x
MS400047-109	Roseville City	MS400047	2019	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	19-017G	44.99616492	-93.14685434	Lat-long	Other MS4 permittee	CRWD	2019	MNLA Rain Garden C		x
MS400047-110	Roseville City	MS400047	2019	Infiltrator	Infiltration trench	Complete columns H through K	17-015	44.97782122	-93.13523144	Lat-long	Other MS4 permittee	Saint Paul	2019	Wheelock Pkwy Paving		x
MS400047-111	Roseville City	MS400047	2020	Infiltrator	Underground infiltration	Complete columns H through K	15-010	44.97493114	-93.1391716	Lat-long	Other MS4 permittee	Saint Paul	2016	Como-Chatsworth East Infiltration Basin		x
MS400047-112	Roseville City	MS400047	2020	Infiltrator	Underground infiltration	Complete columns H through K	18-023	44.99274608	-93.14921701	Lat-long	Other MS4 permittee	CRWD	2018	Roseville Aldi N UGI		x
MS400047-113	Roseville City	MS400047	2020	Infiltrator	Underground infiltration	Complete columns H through K	18-024	44.99274608	-93.14921701	Lat-long	Other MS4 permittee	CRWD	2018	Roseville Aldi S UGI		x
MS400047-114	Roseville City	MS400047	2020	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	19-019G	44.99671718	-93.15031439	Lat-long	Other MS4 permittee	CRWD	2020	Duffy		x
MS400047-115	Roseville City	MS400047	2020	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	19-021G	44.98712089	-93.14622939	Lat-long	Other MS4 permittee	CRWD	2020	Crawford		x
MS400047-116	Roseville City	MS400047	2020	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	19-021G	44.98712089	-93.14622939	Lat-long	Other MS4 permittee	CRWD	2020	Crawford		x
MS400047-117	Roseville City	MS400047	2020	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	19-021G	44.98712089	-93.14622939	Lat-long	Other MS4 permittee	CRWD	2020	Crawford		x
MS400047-118	Roseville City	MS400047	2020	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	19-021G	44.98712089	-93.14622939	Lat-long	Other MS4 permittee	CRWD	2020	Crawford		x
MS400047-119	Roseville City	MS400047	2020	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	19-034G	44.9851062	-93.1581831	Lat-long	Other MS4 permittee	CRWD	2020	Zielske/Finlay-Hobbie		x
MS400047-120	Roseville City	MS400047	2020	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	20-006G	44.98369664	-93.13714653	Lat-long	Other MS4 permittee	CRWD	2020	Knuth		x
MS400047-121	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	20-012G	44.98514224	-93.1564343	Lat-long	Other MS4 permittee	CRWD	2020	White		x
MS400047-122	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-001SG	44.975	-93.137	Lat-long	Other MS4 permittee	CRWD	2021	Dylan Hatch		x
MS400047-123	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-002SG	44.975	-93.137	Lat-long	Other MS4 permittee	CRWD	2021	Dylan Hatch (2)		x
MS400047-124	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-004SG	44.985	-93.138	Lat-long	Other MS4 permittee	CRWD	2021	Shelley Lutes		x

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MS400047-125	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-006SG	44.975	-93.138	Lat-long	Other MS4 permittee	CRWD	2021	Gregg Nelson		x
MS400047-126	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-007SG	44.985	-93.139	Lat-long	Other MS4 permittee	CRWD	2021	Preeyakorn Slawski		x
MS400047-127	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-008SG	44.975	-93.141	Lat-long	Other MS4 permittee	CRWD	2021	Heather Doran		x
MS400047-128	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-010SG	44.99	-93.145	Lat-long	Other MS4 permittee	CRWD	2021	Courtney Eller		x
MS400047-129	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-011SG	44.99	-93.145	Lat-long	Other MS4 permittee	CRWD	2021	Laura Van Riper		x
MS400047-130	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-012SG	44.99	-93.145	Lat-long	Other MS4 permittee	CRWD	2021	Molly Henry		x
MS400047-131	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-014SG	44.99	-93.147	Lat-long	Other MS4 permittee	CRWD	2021	Emily Groene		x
MS400047-132	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-015SG	44.985	-93.163	Lat-long	Other MS4 permittee	CRWD	2021	Jared Lee		x
MS400047-133	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-016SG	44.995	-93.142	Lat-long	Other MS4 permittee	CRWD	2021	Linda Wong		x
MS400047-134	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-017SG	45	-93.153	Lat-long	Other MS4 permittee	CRWD	2021	Rob Schmidt		x
MS400047-135	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-019SG	44.994	-93.141	Lat-long	Other MS4 permittee	CRWD	2021	Daniel Fergus		x
MS400047-136	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-021SG	45.004	-93.12	Lat-long	Other MS4 permittee	CRWD	2021	Caitlin Maus		x
MS400047-137	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-022SG	45.007	-93.114	Lat-long	Other MS4 permittee	CRWD	2021	Keith Allen		x
MS400047-138	Roseville City	MS400047	2021	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	21-023SG	45.007	-93.114	Lat-long	Other MS4 permittee	CRWD	2021	Deloris Woodhouse		x
MS400047-139	Roseville City	MS400047	2021	Supplemental_public_education_outreach	Publications	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2017	BMP maintenance		X
MS400047-140	Roseville City	MS400047	2021	Supplemental_public_education_outreach	Publications	No ID information needed	NA	NA	NA	NA	Other MS4 permittee	Ramsey County	2021	IDDE brochures- 40 per quarter to county public libraries, 25 per quarter to St. Paul public libraries.		x
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TMDL report form for MS4 Permittee (to be submitted with Annual Report)

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Entry ID	Permittee	MS4 ID	Reporting year	BMP/Activity	BMP Description	Location and ID Information Needed?	BMP ID	y-coord (lat, e.g. 44.9866)	x-coord (long, e.g. -93.2581)	Coordinate system (e.g. lat-long, UTM)	Who owns this BMP/activity?	If applicable, name other owner(s)	Year when BMP was implemented	Note(s)		Como Lake - Phosphorus
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Entry ID	Permittee	MS4 ID	Reporting year	BMP/Activity	BMP Description	Location and ID Information Needed?	BMP ID	y-coord (lat, e.g. 44.9866)	x-coord (long, e.g. -93.2581)	Coordinate system (e.g. lat-long, UTM)	Who owns this BMP/activity?	If applicable, name other owner(s)	Year when BMP was implemented	Note(s)		Como Lake - Phosphorus
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Entry ID	Permittee	MS4 ID	Reporting year	BMP/Activity	BMP Description	Location and ID Information Needed?	BMP ID	y-coord (lat, e.g. 44.9866)	x-coord (long, e.g. -93.2581)	Coordinate system (e.g. lat-long, UTM)	Who owns this BMP/activity?	If applicable, name other owner(s)	Year when BMP was implemented	Note(s)		Como Lake - Phosphorus
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Cumulative Reductions Spreadsheet

Category 1: Summary of quantitative reductions (Annual Pollutant Load Reduction).												Optional	
Permittee	MS4 ID	TMDL project	Units	2014	2015	2016	2017	2018	2019	2020	2021	Calculation method	Notes
Roseville City	**MS400047**	Como Lake - Phosphorus	pounds reduced	11	19.6	19.6	23.2	23.2	23.2	23.2	23.2	P8, WinSLAMM	Roselawn raingardens were constructed in 2010 and pollutant reductions were added in reporting year 2017

Category 2: Summary of qualitative reductions (# of BMPs).											Optional
Permittee	MS4 ID	TMDL project	2014	2015	2016	2017	2018	2019	2020	2021	Notes
Roseville City	**MS400047**	Como Lake - Phosphorus	24	59	64	67	68	83	102	121	Summary for Roseville's non quantitative reductions, and also

Non-implemented activities (BMP Inventory)

Permittee	MS4 ID	BMP description	Status	Reporting year	Notes (Optional)	Place an "X" in a cell if the activity applies to the TMDL shown in the column Como Lake - Phosphorus
Roseville City	**MS400047**	Gotfried's Pit Subwatershed Feasibility Study	Discontinued	2014	Construction was completed in 2012, however, this project provided primarily flooding reduction benefits	
Roseville City	**MS400047**	Gotfried's Pit Subwatershed	Discontinued	2020	Analysis will happen under new permit	X
Roseville City	**MS400047**	Roseville public education on snow removal	Discontinued	2020	Training Workshop moved to later date	X
Roseville City	**MS400047**	Roseville Public Education	Discontinued	2020	Partnering with local groups and agencies (ex.	X
Roseville City	**MS400047**	Roseville Parks Renewal Program -	Discontinued	2020	Construction finished in 2017, waiting on asbuilt	X
Roseville City	**MS400047**					
Roseville City	**MS400047**					
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Roseville City	**MS400047**					

Provide an up-dated narrative describing any adaptive management strategies used (including projected dates) for making progress toward achieving each applicable WLA
CRWD, Saint Paul, Roseville, Falcon Heights, Ramsey Conty and Roseville are working together to implement cost-effective stormwater best management practices to achieve the categorical wasteload allocation for phosphrus in Como Lake. As reported, CRWD and its partners have achieved 50% of its load reduction goal. There are number of recent completed projects that will be reported next year that shall show continued progress towards achieving the TMDL goal for Como Lake. The partners are conducting subwatershed feasibility studies and other efforts to identify opportunities for implementing stormwater BMPs. The partners are also conducting an in-depth inventory of existing BMPs constructed in the Como Park area that will be included in next year's TMDL report.