

2017 ANNUAL REPORT



STORMWATER POLLUTION PREVENTION PROGRAM
CITY OF FARIBAUT

TABLE OF CONTENTS

Introduction	1
Stormwater Pollution Prevention Program	1
Public Education & Outreach Program (MCM 1 & 2)	2
Partnerships	2
Program Highlights	3
2016 Public Participation Opportunity	8
Illicit Discharge Program (MCM 3)	9
Program Highlights	9
Construction Stormwater Program (MCM 4)	10
Program Highlights	10
Stormwater Management Program (MCM 5)	11
Program Highlights	11
Pollution Prevention/Good Housekeeping Program (MCM 6)	12
Program Highlights	12
TMDLs and Impaired Waters	14



Introduction

Stormwater runoff is a significant source of water pollution and often contains substances like oil, litter, chemicals, toxic metals, bacteria, sediment, and excess nutrients like phosphorous and nitrogen.

These pollutants contribute to the degradation of our waters resources – causing beach closings, fish consumption advisories, excessive algae growth, poor water clarity – and may alter ecosystems or the natural hydrology of our waters.

Within the City of Faribault, *Crocker's Creek*, the *Cannon and Straight Rivers*, and *Wells Lake* are federally listed impaired waters – meaning that the water body is impaired for one or more pollutants and does not meet its State designated use (e.g. fishing, aquatic habitat, and/or recreation).

STORMWATER POLLUTION PREVENTION PROGRAM

The City of Faribault is an operator of a municipal separate storm sewer system (MS4) and is required to implement a ***Stormwater Pollution Prevention Program*** (SWPPP) that will reduce pollutants in stormwater runoff – to protect the quality of our water resources.

An MS4 is a system of conveyances – roads with drainage systems, streets, catch basins, curbs, gutters, ditches, man-made channels, storm drains, etc. – designed for collecting or conveying stormwater runoff.

The Stormwater Program covers six required program areas ('minimum control measures' – **TABLE 1**). The City must complete best management practice (BMP) activities within these six areas, to reduce pollution in stormwater and satisfy requirements of the federal *Clean Water Act*.

A National Pollutant Discharge Elimination System (NPDES) MS4 stormwater permit, a federal permit administered locally by the Minnesota Pollution Control Agency (MPCA), authorizes the City to discharge stormwater and requires implementation of the SWPPP.

TABLE 1. STORMWATER PROGRAM MINIMUM CONTROL MEASURES (MCMS).

MCM	DESCRIPTION
1	Public Education and Outreach
2	Public Participation
3	Illicit Discharge Detection and Elimination
4	Construction Site Stormwater Runoff Control
5	Post-Construction Stormwater Management
6	Pollution Prevention/Good Housekeeping for Municipal Operations

Public Education & Outreach Program (MCM 1 & 2)

Citizen input and education is vital to clean water. An education and outreach program helps provide information to the public on technical water quality issues, impacts of stormwater, importance of stormwater pollution prevention, and actions citizens can take to help protect our water resources. Soliciting public opinion also ensures that the City regularly communicates to its citizens and provides an opportunity for the public to comment on program activities and progress.

PARTNERSHIPS

Strategic public and private partnerships are utilized to expand and enhance the City's Stormwater Program. The City has partnered with private and non-profit organizations (formally and informally) and frequently collaborates with other MS4 communities (i.e. Cities of Northfield and Owatonna).

Annual Summary

The City continued its memberships with Blue Thumb, Clean Water Minnesota and Watershed Partners, and the Minnesota Cities Stormwater Coalition. The City also continued subscription and contractual agreements with Houston Engineering, Cannon River Watershed Partnership (CRWP), and Rice County Soil and Water Conservation District. Partnerships with Minnesota GreenCorps and Freshwater Society with support (through CRWP) of the Master Water Stewards program and collaborations with Rice County and Rice County Master Gardeners also continued in 2017.



PROGRAM HIGHLIGHTS

Media and Outreach Activity Summary

PRINTED MATERIALS. A large variety of printed educational and promotional materials (brochures, fliers, newsletters, door hangers, factsheets, booklets, pencils, stickers, etc.) covering a variety of stormwater pollution prevention topics were publically available. Materials were primarily distributed at the City’s Public Works Facility, public education and outreach events and workshops, and were mailed or directly distributed to constituents.

TABLE 2 highlights the type of materials available and distributed. The total number of materials distributed (excluding newsletters and newspaper articles,) in 2017 was 23,223.

CITY WEBSITE. The stormwater landing page on the City’s website, saw a 58% increase in website traffic in 2017 (376 website hits in 2017 versus 237 in 2016).

NEWSPAPER/NEWSLETTER ARTICLES. Thirty-five (35) articles on a variety of stormwater topics, and advertisements and public notices for stormwater activities and events, were featured in issues of the *Faribault Daily News*, *Buckham Bulletin* (circulation: 15,000), and Faribault Fire Department *Hot Spots* newsletter. Circulation totaled 307,364.

TELEVISION. Videos were not submitted to the local cable television station (FCTV) for broadcasting in 2017. The City continued the *Community Connections* local cable television program, which features a short video segment that highlights City projects, events, and activities. Information on stormwater programs and events were featured in the March, April and June videos which were broadcast on FCTV.

SOCIAL MEDIA. The City’s Public Works Department (@fbt_publicwork), Police Department (@FaribaultPolice), and Parks and Recreation Department were active on Twitter – with a total 1,296 followers and twelve (12) tweets regarding Stormwater Pollution Prevention activities published.



The Buckham Library, Police Department, Parks and Recreation Department, and City Administration maintained social media accounts on Facebook – with a total of 8,150 followers (17% increase from 2016) and 76 posts regarding Stormwater Program activities published (total audience: 59,728).

STORMWATER HOTLINE. The City operates a hotline where citizens may report concerns/issues and received 557 reports in 2017 – 36 of those were incident reports were potentially stormwater pollution prevention program related and included reports regarding:

TABLE 2. SUMMARY OF EDUCATIONAL MATERIALS DISTRIBUTED.

TYPE	TOTAL
Booklet	60
Bookmark	111
Brochure	7
Door Hanger	1
Factsheet	57
Flier	227
Mailer	0
Magnet/Ruler	582
Newsletter	60,256
Newspaper	247,108
Promotional	120
Survey	33
Utility Insert	21,904

- Cleanup of debris (6)
- Potential illicit discharge (6)
- Illegal dumping (2)
- Infrastructure issues (2)

Campaign and Programming Summary

TAKE IT TO THE BOX. The City continued its partnership with Rice County and participation in the *Take it to the Box* program – which promotes the safe use, storage, and disposal of prescription drugs and medications. The City maintained a collection box at the Faribault Police Department and collected 1,471 pounds of medication in 2017.

COMPOST SITE. The City continued its partnership and agreement with Rice County for the operation of a centralized compost site for collection of brush/trees and yard wastes. The City maintained the compost site at 214 14th Street NE. Although the site temporarily closed due to flooding, the site was open for approximately 31 weeks, from April 17th through November 18th – 1,500 cubic yards of yard waste and 9,000 cubic yards of wood waste were collected.

PET WASTE STATIONS. Pet waste stations (with free pet waste bags & trash cans) and educational signage were maintained in six (6) City parks. Educational signage at all waste stations were replaced (due to fading) in the winter of 2016/2017.

MASTER WATER STEWARDS. The City continued a partnership with the Freshwater Society (through the Cannon River Watershed Partnership), to support the pilot Master Water Stewards Program in out-state Minnesota. Master Water Stewards is a program that certifies and supports community leaders to install pollution prevention projects that educate community members and reduce pollutants from stormwater runoff.

The City helped support the implementation of the pilot program in the Cannon River Watershed and for the recruitment and tuition of two members from the Faribault community who successfully completed the program.

MINNESOTA GREENCORPS. The City was selected as a host site for a GreenCorps member for 2016-2017. GreenCorps is a statewide AmeriCorps program designed to protect and preserve Minnesota’s environment, while training a new generation of professionals. The program places members with local governments, educational institutions, and nonprofit organizations around the State, where they serve for 11 months and work on environmental projects that help build community sustainability and resilience.

The GreenCorps member completed their service term with the City in August 2017. The member worked to increase community awareness on the impacts of stormwater runoff and helped enhance the stormwater education and outreach initiatives through material development, community events and activities, and also helped developed databases that support municipal operations.

VOLUNTEER OPPORTUNITIES. The City’s Public Works, Police, and Parks and Recreation Departments continued coordination of a variety stormwater pollution prevention volunteer programs and activities. Approximately 475 volunteers participated in debris clean-up projects in 2017 (**TABLE 3**).

TABLE 3. 2017 VOLUNTEER EVENTS.

DATE	PARTICIPANTS	DESCRIPTION
4/29/2017	55	City Beautification and Arbor Day Event: Volunteer Tree and Creek Clean-up Event
6/1/2017	12	Faribault Police Explorers - Highway Debris Cleanup Volunteer Event
8/27/2017	400	Shattuck Saint Mary's Hands Across Faribault: Student Volunteer Park, Trail and Crocker's Creek Cleanup Event
9/16/2017	8	Cannon River Watershed Volunteer River Clean-up Event: Two Rivers Park

Event Summary

The City continued to utilize partnerships to enhance and expand opportunities for public education and outreach in 2017. Approximately 775 citizens directly participated in 32 stormwater program events and workshops and 851,405 citizens attended events where the Stormwater Program (directly or through partners) was an exhibitor at an event (**TABLE 4**).

Annual Program Assessment

Educational information is primarily distributed at stormwater events and through the monthly utility bills, Buckham Bulletin, and Faribault Daily News. The large number of attendees and circulations allows the City to cost-effectively reach large audiences. In general, more articles were printed about stormwater program events and activities in the local newspaper in 2017 than in previous years. Attendance at events and activities which were publicized in the paper prior to the event, saw greater attendance than those that were not. Similar to 2016, the City continued to experience lack of success with the local newspaper printing submitted articles.

The City's stormwater webpage continued to see an increase in web traffic.

Citizen followership on the City's various social media platforms has been growing each year – with the City's Parks and Recreation, Library, and Police Department pages being the most popular. Distribution of stormwater program information had the greatest impact when events and information were cross promoted on these department pages versus the public works or City administration accounts.

The City was not successful with the local cable television station broadcasting submitted videos. However, stormwater program events and activities were featured on the City's *Community Connections* video segment which broadcast on the local cable television station.

The City has previously coordinated youth education through classroom presentations but has had limited participation and interest by local teachers and schools. In 2018, the City is expanding its partnership with River Bend Nature Center and is scheduled to implement youth stormwater education curriculum, which achieves standardized testing content requirements for middle school youth.

An assessment survey to help gauge the effectiveness of the City's stormwater education and outreach program is expected to be distributed in the community in 2018.

TABLE 4. 2017 EDUCATION EVENTS.

DATE	TYPE	PARTICIPANTS	DESCRIPTION
1/1/2017	Workshop**	17	River Bend Nature Center Older, Wiser, Livelier Seniors (OWLS) Presentation
1/21/2017	Event**	52	River Bend Nature Center Winter Fest: Public Education and Outreach Event
2/22/2017	Event**	5	Library Water Warriors Youth Education Program Series
3/9/2017	Workshop	29	Library/UMN Master Gardener Workshop: Starting Seedlings Workshop
3/17/2017	Workshop	19	Contractor Workshop: Blue Thumb Bioretention Design and Construction Training Workshop
3/22/2017	Event**	6	Library Water Warriors Youth Education Program Series
4/11/2017	Event**	12	Senior Center Community Engagement Program Series: <i>Water Water Everywhere in Products and Drops to Drink</i>
4/17/2017	Youth Education	353	Cannon River STEM School Environmental Fair: Student Education and Outreach Event
4/18/2017	Event	10	Senior Center Community Engagement Program Series: <i>City Water Treatment Plant Tour</i>
4/19/2017	Event**	7	Library Water Warriors Youth Education Program Series
4/29/2017	Event	55	City Beautification and Arbor Day Event: Public Volunteer Event
4/29/2017	Workshop**	12	City Beautification and Arbor Day Workshop: Landscaping for Clean Water and Pollinators
4/29/2017	Event	1,000*	City Beautification and Arbor Day Public Education and Outreach Event: Faribault Marketplace
5/17/2017	Event**	11	Library Water Warriors Youth Education Program Series
5/21/2017	Event**	2	River Bend Nature Center Community Engagement Program Series: <i>Walk on the Water Side Tour</i>
5/23/2017	Event**	3	Senior Center Community Engagement Program Series: <i>Resilient Communities - Waste Management</i>
5/24/2017	Event	63	Public Works Open House: Public Education and Outreach Event
6/1/2017	Event**	6	Senior Center Community Engagement Program Series: <i>Resilient Communities - Faribault Energy Park Tour</i>
6/1/2017	Event	12	Faribault Police Explorers - Highway Debris Cleanup Volunteer Event
6/6/2017	Event**	0	Senior Center Community Engagement Program Series: <i>Resilient Communities - Urban Forestry</i>
6/7/2017	Event**	11	Library Water Warriors Youth Education Program Series
6/12/2017	Event**	13	GROWS Garden Club Presentation: Landscaping for Clean Water and Pollinators

6/14/2017	Event**	6	Library Water Warriors Youth Education Program Series
6/18/2017	Event**	0	River Bend Nature Center Community Engagement Program Series: <i>Walk on the Water Side Tour</i>
6/21/2017	Event**	4	Library Water Warriors Youth Education Program Series
6/28/2017	Event**	8	Library Water Warriors Youth Education Program Series
7/12/2017	Event**	12	Library Water Warriors Youth Education Program Series
7/13/2017	Event**	6	Senior Center Community Engagement Program Series: <i>Stormwater Management - Green Infrastructure</i>
7/16/2017	Event**	3	River Bend Nature Center Community Engagement Program Series: <i>What's in the Water</i>
7/18/2017	Event**	2	Big Brothers Big Sisters Fire Station Permeable Pavement and Raingarden Tour
7/19/2017	Event**	9	Library Water Warriors Youth Education Program Series
7/18/2017 - 7/23/2016	Event	50,000*	Rice County Fair: Public Education and Outreach Event, SWPPP Participation Event
7/26/2017	Event**	22	Library Water Warriors Youth Education Program Series
8/24/2016 - 9/4/2016	Event	800,000*	Minnesota State Fair: Clean Water Minnesota Exhibits, Blue Thumb Exhibit
8/27/2017	Event	400	Shattuck Saint Mary's Hands Across Faribault: Student Volunteer Park, Trail and Crocker's Creek Cleanup Event
9/16/2017	Event	8	Cannon River Watershed Volunteer River Clean-up Event: Two Rivers Park
9/26/2017	Meeting	2	Informational and Recruitment Meeting for Faribault Master Water Stewards and Program

*Represents the total number of event attendees.

**Coordinated by MN GreenCorps Member.

2017 PUBLIC PARTICIPATION OPPORTUNITY

The Rice County Fair was held July 18th thru July 23rd and had an estimated 50,000 attendees during the 5-day event. In cooperation with the Cannon River Watershed Partnership, the City utilized the fair as a SWPPP participation and public education and outreach event.

Public notice was provided on the City's website, in the Faribault Daily News, and in the July customer utility bills. The SWPPP was made available at the Public Works and Parks Facility, City Hall, and on the City's website. The City did not receive any comments.

Illicit Discharge Program (MCM 3)

The City has developed and implemented an illicit discharge detection and elimination (IDDE) program to help protect the quality of our water resources, by preventing and eliminating the accidental or intentional discharge of pollutants into our stormwater drainage system (illicit discharges).

PROGRAM HIGHLIGHTS

Storm Sewer Mapping

The City continually maintains a GIS database and map of the municipal stormwater conveyance system – including public and private stormwater infrastructure (pipes, structures, BMPs, etc.) and surface water resources. The database and map are updated as unknown connections are located, infrastructure repair and maintenance are completed, and as public and private capital, development, and re-development projects are completed.

Recodification of City Code

The City previously established and adopted ordinance language regarding illicit discharges, illegal dumping, and the discharge of pollutants/contaminants into the stormwater conveyance system. The existing ordinance was reviewed for compliance with MS4 permit reissuance. Draft revisions were completed and presented at a public hearing on December 21, 2015. Since that time, the draft language has undergone additional revisions. It is anticipated that final draft of code revisions will be adopted by the City Council in 2018.

Municipal Training

Fourteen staff received training on illicit discharge recognition and reporting and discharge emergency response procedures.

Inspection and Enforcement Summary

City staff inspected 418 storm sewer structures, televised 0.65 miles of storm sewer, and discovered, responded to, and conducted investigations for 32 potential illicit discharge, illegal dumping, and spill response reports. Of the potential illicit discharge reports responded to, eight (8) incidents were reported by the general public and 24 reported by municipal staff.

Of the 32 potential incidents, four (4) incidents were determined not to be and 28 incidents were determined to be an illicit discharge. Of the 28 illicit discharge incidents:

- 19 – Incidents were a result of construction activity.
- 3 – Incidents were a result of commercial/industrial operations
- 2 – Incidents were a result of municipal operations.
- 1 – Incident was a result of broken utility infrastructure in single family home.
- 3 – Incidents where the responsible party or source could not be determined.
- 4 – Verbal warnings and/or corrective actions issued.
- 21 – Written violation notices, Stop Work Orders, and corrective actions issued.

Construction Stormwater Program (MCM 4)

Construction projects have a likely potential to pollute stormwater runoff and significantly impact water quality – typically through erosion and pollutant transport. The City implements and enforces a construction stormwater program to reduce pollutants in stormwater runoff from construction activities

PROGRAM HIGHLIGHTS

Recodification of City Code

The City previously adopted ordinance language and developed a grading permit program to regulate construction and land disturbing activity to minimize the discharge of pollutants/contaminants from these activities. Draft revisions to the municipal code were presented at a public hearing on December 21, 2015. Since that time, the draft code language has undergone additional revisions. It is anticipated that final draft of code revisions will be adopted by the City Council in 2018.

Permit Program Administration

The City currently administers a Grading/Land Disturbance permit program for activities that will meet or exceed 0.5 acres of land disturbance, or are less than one acre but part of a larger *common plan of development or sale* that will ultimately disturb more than one acre.

The City reviewed 58 site plans and approved 35 permit applications in 2017. Of the 32 NPDES permitted projects in 2017, 21 were for a single family residential project part of a common plan of development and 11 were for NPDES projects greater than one acre of land disturbance or projects less than one acre but part of a common plan of development. In 2017, 26 NPDES permitted projects (excluding permitted common plan of development single family residential projects) were active in 2017. The City monitored a total of 96 projects for erosion and sediment control compliance.

Inspection and Enforcement Summary

In total, 991 inspections of land disturbance or construction projects were completed. This included inspections of City capital improvement projects and permitted and non-permitted land disturbance projects.

In 2017, 316 compliance site inspections were conducted on the 26 active NPDES permitted projects in the City (excluding common plan of development single family residential projects). Compliance enforcement action was taken in 73 instances which resulted in:

- Issuance of 31 verbal warnings.
- Issuance of 40 written violation notices.
- Issuance of two (2) Stop Work Orders.

Municipal Training

Ten (10) permanent staff received construction stormwater site runoff control certification or recertification (e.g. erosion and sediment controls, regulatory enforcement) in 2017.

Stormwater Management Program (MCM 5)

To help mitigate the impacts of stormwater runoff, the City implements a post-construction stormwater management program and enforces regulatory mechanisms to prevent or reduce water pollution and water quality impacts from development and redevelopment projects within the City's jurisdiction.

PROGRAM HIGHLIGHTS

Recodification of City Code

The City previously established and adopted ordinance language and a local *Surface Water Management Plan*, and administers a land disturbance permit program to manage and enforce surface and stormwater management requirements for rate control and water quality.

Draft revisions to the ordinances were completed and presented at a public hearing on December 21, 2015. Since that time, the draft language has undergone additional revisions. It is anticipated that final draft of code revisions will be adopted by the City Council in 2018. In the interim, MS4 permit requirements for permanent stormwater management are being enforced.

Structural Stormwater BMPs

The City previously established and adopted ordinance language and required BMP operation and maintenance plans to ensure that structural stormwater practices are maintained and function as designed.

Seven permitted projects proposed the construction and installation of structural stormwater BMPs to achieve water quality and rate control requirements.

Pollution Prevention/Good Housekeeping Program (MCM 6)

Municipal activities may threaten the quality of water resources if practices and procedures are not implemented to prevent pollutants from entering the stormwater conveyance system. The City has developed and implemented an operation and maintenance and employee training program that aims to prevent and reduce stormwater pollution from municipal operations and activities.

PROGRAM HIGHLIGHTS

Municipal Training

The City implements an existing safety program which provides regular training across a variety of topics. The Public Works Department also has separate operating protocols for municipal maintenance activities which are periodically reviewed and updated. Municipal staff participated in IDDE trainings and a variety of other professional development opportunities.

Street Sweeping

Streets and roadways under City ownership and management are swept in the spring for de-icing (sand/salt) material clean-up and in the fall for leaf and debris clean-up. Streets in the City's downtown area are generally also swept bi-weekly during the spring, summer, and fall months. Additional street sweeping activities may also occur for vehicle accident clean-up, spill response, or other debris removal on an as needed basis. In 2017, 1,450 staff hours were spent sweeping 1,300 miles of streets and roadways.

Stormwater Conveyance System Operation and Maintenance

The City operates and maintains 72 miles of storm sewers and over 4,000 drainage structures, stormwater inlets, and stormwater outlets. Approximately 0.65 miles of storm sewers were televised, 759 feet of storm sewer was cleaned, 418 structures were inspected, 75 drainage structures cleaned, and 16 drainage structures were repaired or replaced in 2017.

Structural Stormwater BMP Operation and Maintenance

The City owns and/or operates 17 stormwater ponds, six (6) aboveground infiltration basins, three (3) raingardens, two (2) below ground stormwater storage and infiltration systems, and one (1) area of permeable pavement. Eighteen (18) of these facilities were inspected in 2017. One (1) of the underground storage systems, one (1) raingarden, and the area of permeable pavement were constructed and installed in 2017. Maintenance was completed on 2 of the raingardens.

The City also owns and operates 27 smaller structural BMPs (sumped drainage structures, structures with a baffle, structures retrofitted with a hood/snout). Twenty-two (22) of these structures were inspected and maintained (debris removal) in 2017.

Facility and Stockpile Inspections

The Faribault Municipal Airport and Wastewater Reclamation Facility conducted monthly stormwater pollution prevention inspections. Inspections were not completed for other municipal facilities and stockpiles.

Record Retention

The City's documents permit compliance in various electronic and hard copy formats. The City subscribes to and is transitioning data and information into the MS4 Front web-based database and tracking system. All documentation will be retained in accordance with the MS4 permit.

TMDLs and Impaired Waters

Faribault's Stormwater Program incorporates measures to review and assess the adequacy of the program in order to achieve waste load allocations (WLAs) assigned to the City as a result of a federally approved total maximum daily load (TMDL) study.

The City's stormwater system discharges to Waters of the State currently on the MPCA and US Environmental Protection Agency (EPA) 303(d) list of impaired waters, and impaired waters that have a US EPA approved TMDL – the *Lower Cannon River Turbidity TMDL* and the *Lower Mississippi River Basin Fecal Coliform Bacteria TMDL*. As a result the City (as a MS4) is required to comply with WLAs for both TMDLs.

Implementation of the City's Stormwater Pollution Prevention Program currently achieves City of Faribault MS4 WLAs for both TMDLs.