

Worthington, MN

MS4 NPDES

Storm Water Permit Program

2019 Annual Report Submittal

May 27, 2020

Presentation Overview

- NPDES Program Background
- Worthington's "MS4" Storm Water Pollution Prevention Plan (SWPPP)

National Pollutant Discharge Elimination System (NPDES)

- Federal Regulations: EPA - Clean Water Act
– Program Administered by MPCA
- Goal is to protect and improve surface water resources
- Maximum 5-year permit term
- Annual Reporting / Self Assessment
- Initially used to control wastewater dischargers, now includes storm water dischargers

National Pollutant Discharge Elimination System (NPDES)

- MS4 Program is one of the three legs of the NPDES Storm Water Permit Program
 - Industrial Permits Includes airports and treatment plant site
 - – Construction Storm Water Permit Applies to new construction
 - MS4 Permits
 - Municipal Separate Storm Sewer System
 - ✓ SWPPP
- A statewide general permit applies to most permittees
- Require development of Storm Water Pollution Prevention Plan (SWPPP)

History of Worthington's MS4 Program

- NPDES Phase 2 – Permit Issued in May 2006
 - Designated MS4s Regulated in 2007
 - 10,000 or more and density 1,000 people per square mile
 - New Permit Effective August 1, 2013
 - Coverage Extended to Worthington March 17, 2014
 - New Requirements Implemented by March 2015

Worthington's MS4 Program

- Storm Water Pollution Prevention Plan (SWPPP)
 - Six Minimum Control Measures (MCM)
 - => Best Management Practices (BMP)
 - > **Measurable Goals**
- City's SWPPP rewritten for 2013 reissued NPDES Permit

Worthington's Program – BMP's

1. **Public education and outreach (2)**
2. **Public participation and involvement (1)**
3. **Illicit discharge detection and elimination (5)**
4. **Construction site run-off control (3)**
5. **Post construction run-off control for new development and redevelopment (1)**
6. **Pollution prevention/good housekeeping for municipal operations (5)**

Storm Water Web Site



The screenshot shows the City of Worthington website with a focus on the stormwater page. The header features the city logo, a search bar, and navigation links. A yellow banner highlights the URL. The left sidebar lists various city departments, with Engineering selected. The main content area includes a breadcrumb trail, an introductory paragraph about water challenges, a paragraph about clean water efforts, and a map-related paragraph. A right sidebar titled 'Technical Resources' lists downloadable documents.

City of Worthington

Search this site: Search

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www.ci.worthington.mn.us/stormwater

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- Community Development
- Engineering
 - Bidders Information
 - Proposed Improvements
 - Stormwater
- Utilities
- Public Safety

CITY COUNCIL

Stormwater

Home » City Departments » Engineering

Water issues can be challenging to deal with. Too much water, not enough water, I'm getting everybody else's water, I'm not polluting, you're polluting, it's the farmers, it's the cities, it's the lakeshore owners...!!!!

We all realize the importance of clean water. There have been great efforts to make improvements over the past years and we would like to share a few more ideas of little things we can do on a regular basis to improve our water's quality. The fast, hard rain events are the ones we need to plan for, and YOU can help!

For instance, did you know that the storm water leaving Worthington flows to four different lakes? Find your neighborhood on the map below. Which lake is getting the water that's running off your yard?

Technical Resources

Below are Stormwater-related downloadable resources and links available to you.

City of Worthington

- City of Worthington Stormwater Ordinance 
- Erosion Control Ordinance Factsheet 
- Pollution Prevention Plan 

Storm Water Web Site

Stormwater

[Home](#) » [City Departments](#) » [Engineering](#)

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Which Watershed do I contact?

If you need to contact your watershed district to obtain a permit or have questions or concerns about drainage or any other stormwater-related inquiries, you need to know whom to contact. Please click the link below to view a map that will outline what watershed district your neighborhood belongs to.

[Watershed district contacts](#)



Problems

Type of Concern	Who To Contact
Construction Site Violation	Engineering Department (507) 372-8640
Erosion Problems	Engineering Department (507) 372-8640
Illegal Dumping	Police Department (507) 372-2136
Illicit Discharge	Police Department (507) 372-2136

Technical Resources

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City of Worthington

- » [City of Worthington Stormwater Ordinance](#)
- » [Erosion Control Ordinance Factsheet](#)
- » [Pollution Prevention Plan](#)

Okabena-Ocheda Watershed District

- » [Okabena Ocheda Watershed District](#)
- » [Permit Application](#)
- » [Rules and Regulations](#)
- » [Sample Erosion Control Plan Form](#)
- » [Watershed Staff](#)

Heron Lake Watershed District

- » [Construction Site Erosion Control Form](#)
- » [Heron Lake Watershed District](#)
- » [Permit Application](#)
- » [Rules and Regulations](#)
- » [Watershed Staff](#)

Minnesota Pollution Control Agency

- » [Minnesota's Stormwater Manual](#)
- » [NPDES/SDS Construction Stormwater General Permit](#)



Contacts

Dwayne Haffield

Public Information



City of Worthington
303 9th Street, P.O. Box 279
Worthington, MN 56187
(507) 372-8640
www.ci.worthington.mn.us

REPORT ILLICIT DISCHARGES

What is an Illicit Discharge?

Worthington's ordinance makes it illegal to discharge anything but clean water to the storm water system. The storm water system includes streets, gutters, storm drains, and ditches. Some materials it is illegal to discharge are:

- Oil, gas, antifreeze, and other automotive fluids.
- Paint, stain, varnish, lacquer, paint thinner, solvents, and other home improvement materials.
- Fertilizers, herbicides, insecticides, and other materials used for lawn and garden care.
- Cleaning products, including water from mop buckets, commercial floor scrubbers, and carpet cleaning.
- Grass clippings and leaves.
- Litter and trash.
- Soil from construction sites and landscaping projects.
- Sewage and septic tank water.
- Industrial process water.

To report an illicit discharge,
call the Worthington Police
Department at 507-295-5400



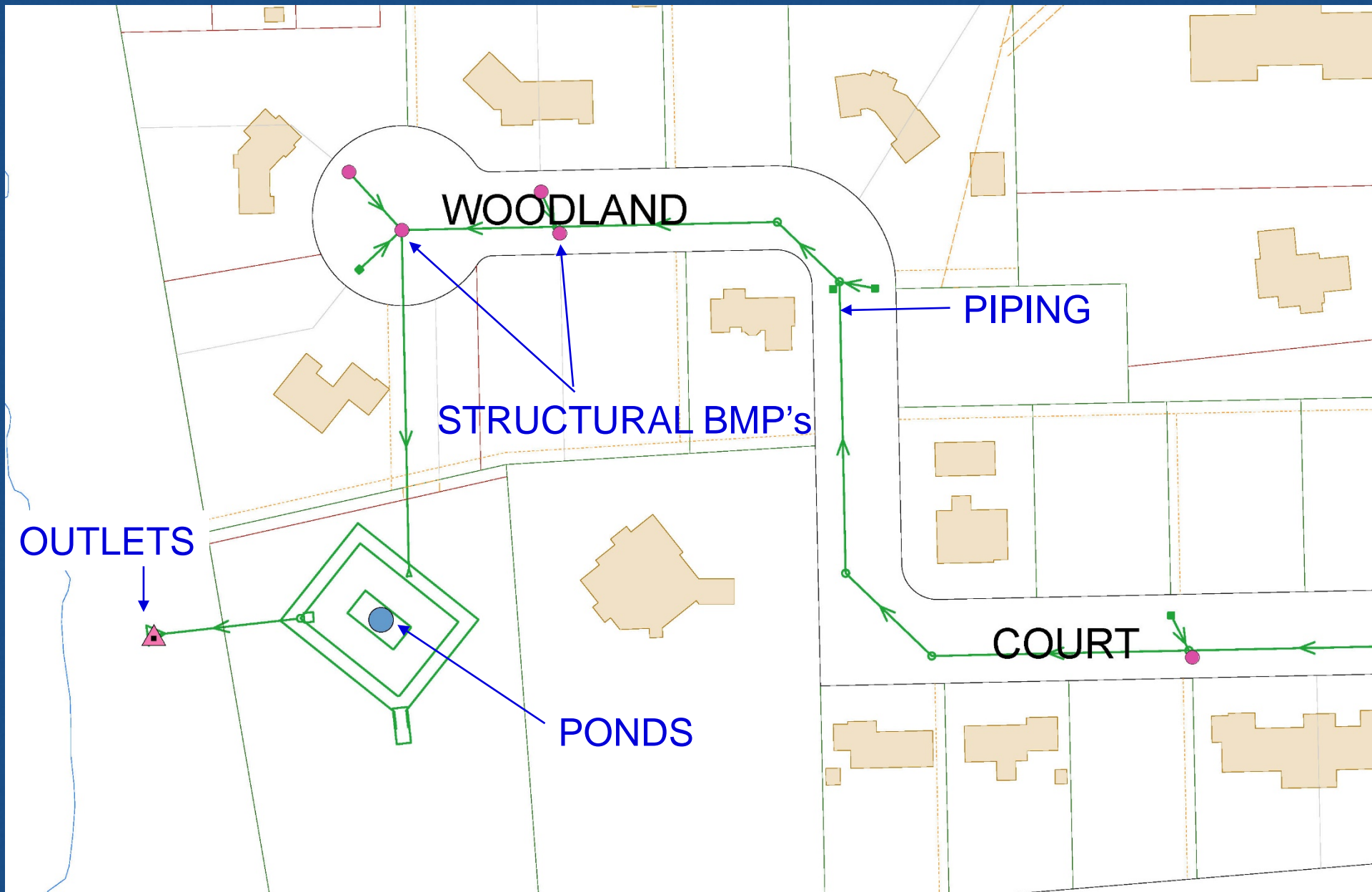
What About Sump Pumps?

City rules allow sump pumps to be connected directly to a storm sewer, or to outlet into a street gutter, *provided they are pumping only clean water from around the foundations of buildings.*

Household Hazardous Waste

The Nobles County Household Hazardous Waste Facility collects items including oil, paint, aerosols, detergents, pesticides and fertilizers - free of charge. Call 507-295-5322 for more information.

System Mapping



Storm Water Ordinance

- Erosion and Sediment Control
 - Small site erosion control per Watershed Rules
 - 200 CY of material or 10,000 SF of area disturbed
 - Application for watershed permit required for B.P.
 - Requirements for projects >1 acre per NPDES permit
 - NPDES permit must be obtained for B.P.
 - Permanent BMP required for projects creating over 1 acre of new impervious surface
 - BMPs must be maintained
- Prohibits Illicit Discharges
 - Police Dispatch may be contacted

Worthington's Program: 2018 "Highlights"

- Make public education and information materials available, 3 Utility Billing Inserts
- Maintained storm system map
- Enforced Storm Water Ordinance
 - Erosion and sediment control
 - Prohibit illicit discharges
- Inspect City storm system infrastructure

Inspect City Storm System

- Inspect Outlets and Basins
 - 128 outlets mapped 32 Inspected in 2019
 - 16 Wet Basins 0 Inspected in 2019
 - 1 Dry Basin 0 Inspected in 2019
 - 3 Filtration Basins 0 Inspected in 2019
- Inspect structural pollution control devices
 - 5 Separators 5 Inspected in 2019
 - 1 Skimmer 1 Inspected in 2019
 - 432 Sumps 420 Inspected in 2019
 - 2 Rain Gardens 0 Inspected in 2019