

Pond and Outfall Inventories, Creating and Tracking Pond Maintenance Priorities

Why are inventories required?

The relevant permit language related to pond, wetland and infrastructure inventories.

Minnesota Pollution Control Agency – MS4 Permit (33 pages)

PART V. STORM WATER POLLUTION PREVENTION PROGRAM

G. 3. Minimum Control Measure #3 (page 11 of 33) [emphasis added in bold]

- a. You must develop, if not already completed, a storm sewer system map by June 30, 2008, or on another date established by the Commissioner, showing the location of:
 - 1) Ponds, streams, lakes and Wetlands that are part of **your system**;
 - 2) Structural pollution control devices (grit chambers, separators, etc.) that are part of your system;
 - 3) All pipes and conveyances in your system as a goal, but at minimum, those pipes that are 24 inches in diameter and over; and
 - 4) **Outfalls**, including discharges from your system to other MS4s, or waters and Wetlands that are **not** part of **your system** (where You do not have operational control); structures that discharge storm water directly into groundwater; overland discharge points and all other points of discharge from your system that are outlets, but not diffuse flow areas.

PART VIII. APPENDIX B: DEFINITIONS (pages 21-22 of 33)

“Municipal Separate Storm Sewer System” means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains).

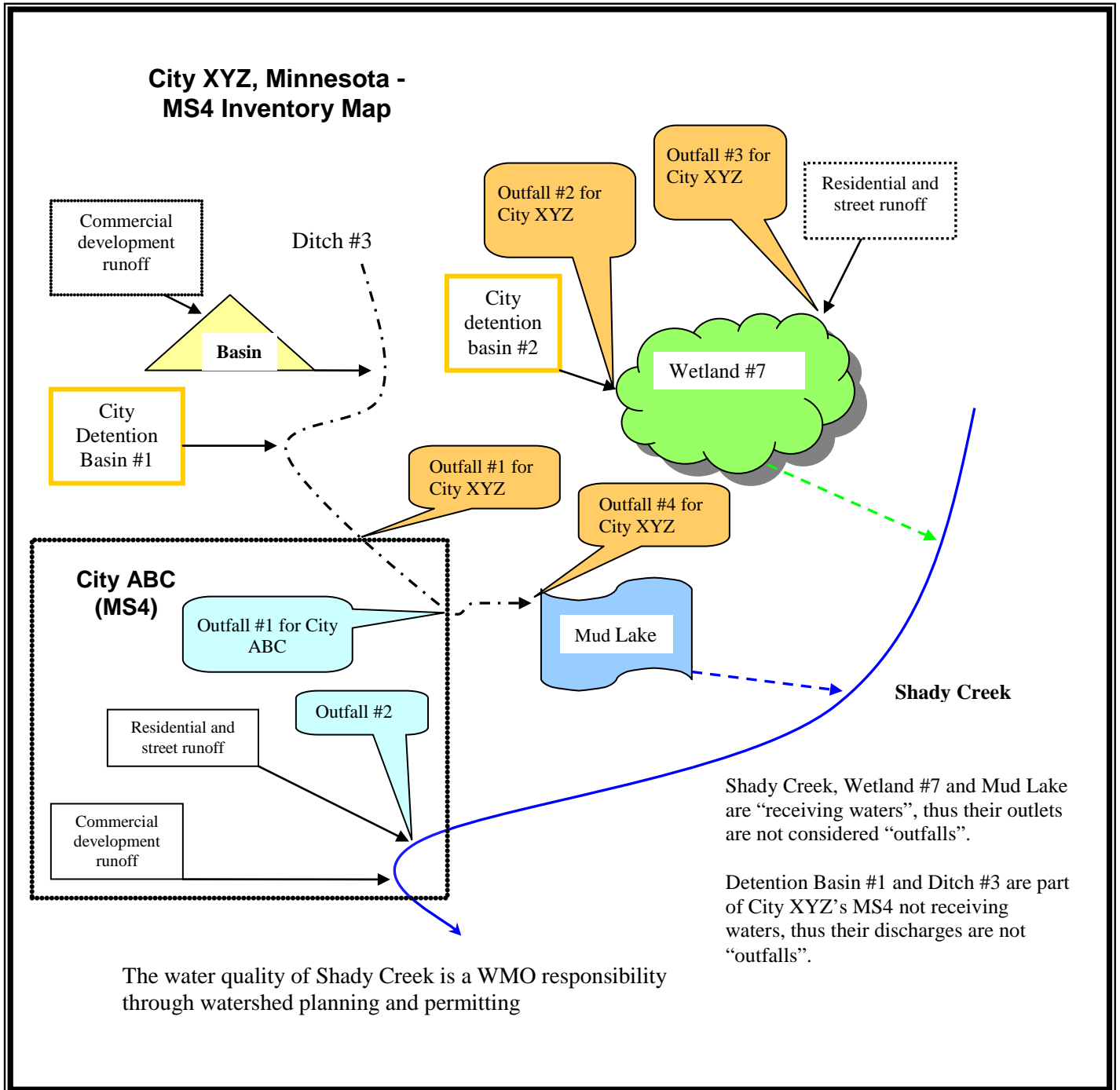
“Outfall” means the point source where a **Municipal Separate Storm Sewer System** discharges from a pipe, ditch, or other discrete conveyance to **receiving waters**, or to other **Municipal Separate Storm Sewer Systems**. It does not include diffuse runoff or conveyances which connect segments of the same stream or water systems.

Most important in developing an inventory:

- What is **your system**?
- Where are the **outfalls**?
- What and where are the **receiving waters**?

Bottom Line:

Receiving waters is **not** defined in the Permit. But Municipal Separate Storm Sewer System or **“your system”** is defined. So the inventory is the MS4! Everything else is **receiving waters**.



G. 6. Minimum Control Measure #6

- b) You must also:
- 1) Operate and maintain your Storm Water system in a manner so as to reduce the discharge of pollutants to the Maximum Extent Practicable.
 - 2) Inspect annually all structural pollution control devices, such as trap manholes, grit chambers, sumps, floatable skimmers and traps, separators, and other small settling or filtering devices.
 - 3) **Inspect, at minimum, 20% of the MS4 Outfalls, sediment basins and ponds each year on a rotating basis, during the effective period of this permit.**
 - 4) Inspect all exposed stockpile, storage and material handling areas at least annually.
 - 5) Based on your inspection, determine if repair, replacement, or maintenance measures are necessary for proper operation and to prevent environmental impacts such as erosion. The necessary measures shall be completed as soon as possible, usually during the same year as the inspection. When this is not practicable, the reasons and a schedule for completion shall be submitted in the annual report.
 - 6) Summarize the results of all inspections in the annual report. Keep records on the dates of inspection and responses to the inspections, including the date of completion of repairs and major additional protection measures.

Minimum Control Measure #6 b) 3-6 establishes the need and priorities for pond and infrastructure maintenance of **your system**. This infrastructure maintenance program incorporates BMPs operating at the Maximum Extent Practicable and logically will improve the water quality of the **receiving waters**.