


CITY OF ANN ARBOR

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MS4 Permit Status –

Presentation to Water Committee; Environmental Commission

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- A horizontal bar at the top of the slide, consisting of a small light blue square on the left and a longer dark blue rectangle extending to the right.
- Introduction
 - MS4 Permit Program - Background/History
 - “6 Minimum Measures”
 - Current Situation
 - Hopeful Future



MS4 Permit Program – Background/History

MS4 Permit Program

- Code Federal Regulations – “Stormwater Regs”
- Requires municipalities to address the quality of stormwater runoff going into lakes, rivers and streams through various mechanisms (6 minimum measures):
 - ▣ Public Education
 - ▣ Public Involvement/Participation
 - ▣ Illicit Discharge Elimination Plan (IDEP)
 - ▣ Post-Construction SW Control
 - ▣ Construction SW Runoff Control
 - ▣ Pollution Prevention/Good Housekeeping for Municipal Operations

MS4 Permit Program

- Permit
 - ▣ Feds/MDEQ tell us what we need to address
- COC – Certificate of Coverage
 - ▣ Gives us authorization
- WMP – Watershed Management Plan
 - ▣ Overall guiding principles
 - ▣ Gives us the goals and objectives
- SWPPI – Storm Water Pollution Prevention Initiative
 - ▣ The “how” to reach our goals and objectives



6 Minimum Measures

Public Education

- Responsibility and stewardship in the watershed
- The connection of MS4 catch basins, storm drains, and ditches to waterways
- Public reporting of illicit discharges into MS4s
- Preferred cleaning materials & procedures for car, pavement, & power washing
- Acceptable application & disposal of pesticides, herbicides, and fertilizers
- Proper disposal practices for grass clippings, leaf litter, & animal wastes
- The availability of facilities for disposal of HHW, travel trailer sanitary wastes, chemicals, yard wastes, & motor vehicle fluids
- The proper septic system care and maintenance
- The benefits of using native vegetation instead of non-native vegetation
- Methods for managing riparian lands to protect water quality
- Pollutants unique to commercial, industrial, & institutional entities as identified.

Public Involvement

- To facilitate the **involvement** of watershed jurisdictions, agencies, organizations, and the general public in the development, implementation, and update of the Watershed Management Plan (WMP).



IDEP



- MS4s are required to develop a program to detect and eliminate these illicit discharges. This primarily includes developing:
 - ▣ An **ordinance** or other regulatory method for controlling discharges in the MS4
 - ▣ Identification of areas **prioritized for investigation**
 - ▣ **Procedures for eliminating illicit discharges**, pursuing enforcement action, and the development of a system to track the elimination status of illicit discharges and enforcement actions
 - ▣ A program to **train** staff
 - ▣ A method for **determining the effectiveness** of the illicit discharge elimination program

Post-Construction SW Control

- MS4s are required to address post-construction stormwater runoff from new development and redevelopments that disturb one or more acres. This primarily includes developing:
 - ▣ **Strategies to implement** a combination of structural and non-structural BMPs,
 - ▣ An **ordinance** to address post-construction runoff, and
 - ▣ A program to ensure adequate **long-term operation** and maintenance of BMPs.

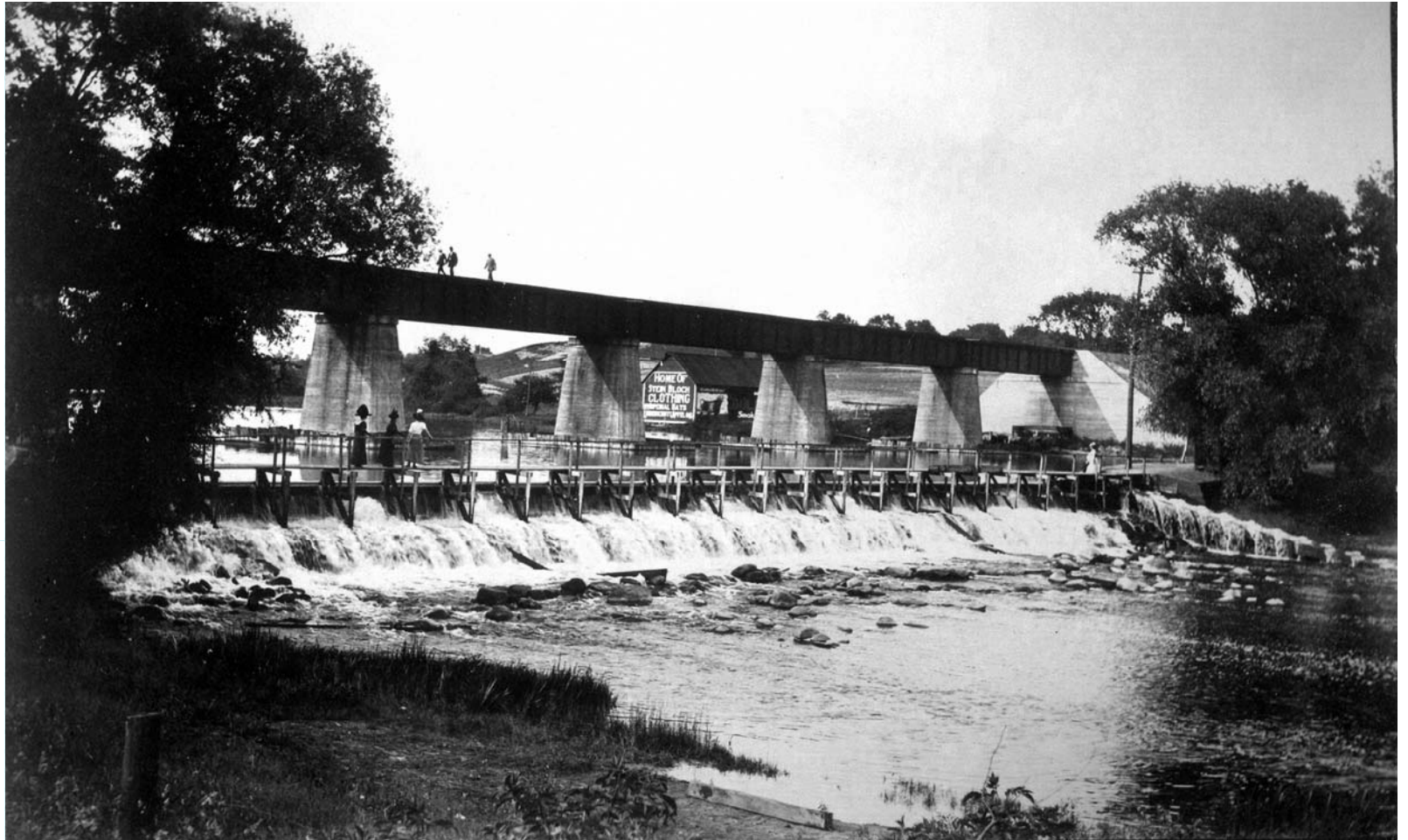


SESC (Construction SW Control)

- Have an ordinance or other regulatory mechanism requiring the implementation of proper **erosion and sediment controls**, and controls for other wastes, on applicable construction sites;
- Have procedures for **site plan review** of construction plans that consider potential water quality impacts;
- Have procedures for site **inspection and enforcement** of control measures;

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- Develop and implement an **operation and maintenance program** with the ultimate goal of preventing or reducing pollutant runoff from municipal operations into the storm sewer system;
- Include **employee training** on how to incorporate pollution prevention/good housekeeping techniques into municipal operations such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance.

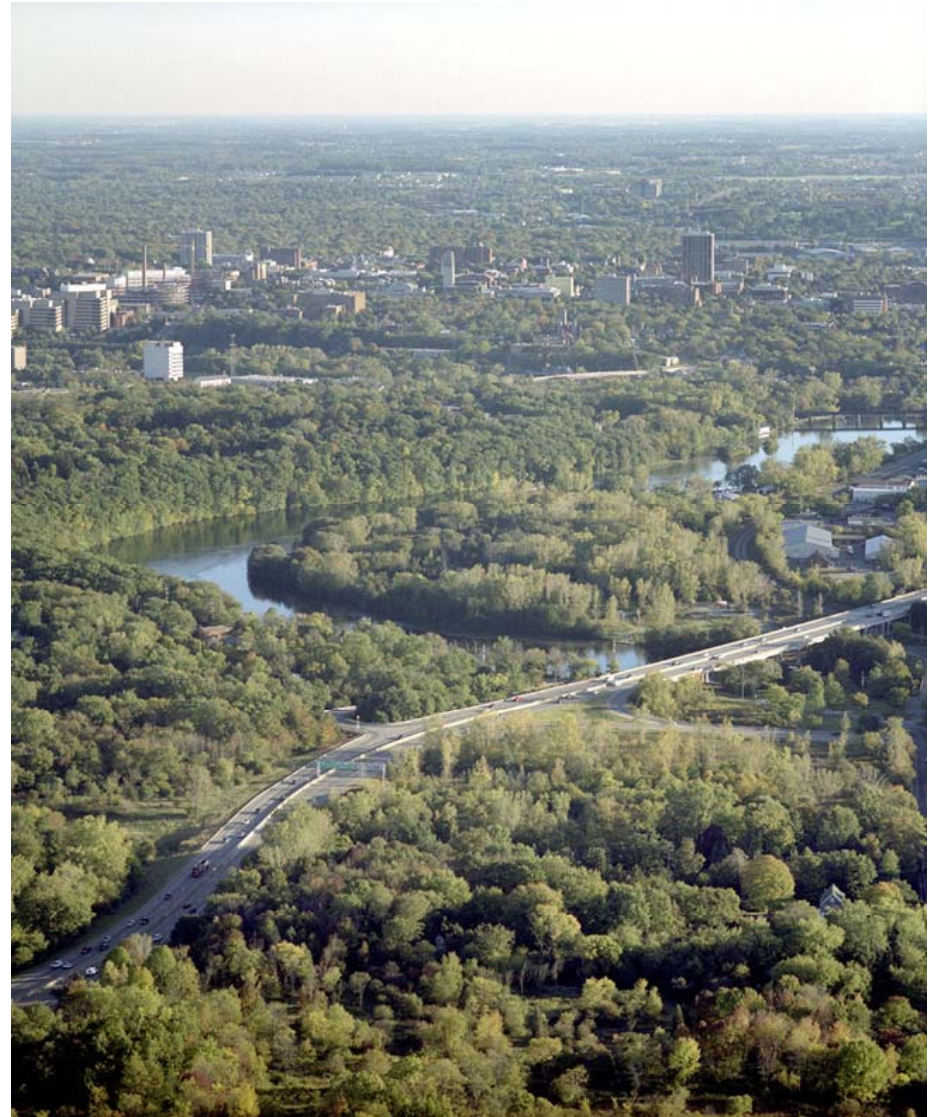


How did we get here?

MS4 Permit – How did we get here?

- And then the State took it all away...
- They “withdrew” the 2008 Permit, which meant that all of the CVTs had to go back to their “OLD” Permit.

Ann Arbor’s Permit was from 2001!!





What are we doing?

MS4 Permit – What are we doing?

- We are currently rewriting our SWPPI back into a SWaMP that is compliant with the 2001 permit requirements.
- ▣ But...because we know better...our actions will be exponentially greater than just what is required. – We already have many of these programs in place, and have no desire to move backwards.

**In July 2011, the City
submitted a REVISED SWaMP**

MS4 Permit – Where are we going?

- Working with a Statewide collaboration team to move towards the next permit in 2013 from the EPA
- Member of a team of ~30 professionals representing MS4s from across the State of Michigan
- Continuing to implement our revised SWaMP
 - Coordination with Regional Partners
 - SEMCOG
 - Huron River Watershed Council

