





# MS4 Annual Meeting

April 7, 2015



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# NPDES Phase II MS4 Permit

National  
Pollutant  
Discharge  
Elimination  
System



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# NPDES



MS4's



Construction Sites



Industrial Activities



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WSB

Municipal/MS4 Program

- MS4 = Mmunicipal Separate Storm Sewer System
- Who is regulated?
  - Cities within Urbanized Areas as determined by U.S. Census
  - Agriculture is not regulated
  - Other MS4's as determined by MPCA policy and criteria (e.g. MnDOT, Watershed Districts, colleges, County Lands/ROW)

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WSB

Why This Meeting?

- Educate interested citizens
- Receive comments from the public
  - SWPPP
  - Review progress of BMPs
- Meet the requirements of the MS4 Permit



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WSB

What's the Problem?

- According to the EPA, **stormwater runoff** is the leading source of water pollution.



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## What is Stormwater?

- Stormwater runoff** is rain or snowmelt that flows over land and does not infiltrate into the ground.
- As stormwater runoff flows across surfaces, it picks up trash, debris and pollutants (ex: sediment, soil, grease, etc.) along the way.





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Anything in the streets and ditches – **litter, pesticides, grass clippings** – can end up in your local lakes and rivers.

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## Municipal/MS4 Program

**6 Minimum Control Measures:**

- Public Education and Outreach
- Public Participation and Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Stormwater Runoff Control
- Post-Construction Stormwater Management
- Pollution Prevention and Good Housekeeping for Municipal Operations



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## Municipal/MS4 Program (contd.)

- Storm Sewer Mapping and Inventory
- Total Maximum Daily Load (TMDL)







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## 2014 Achievements

- Annual Public Meeting (April 12, 2014)
- Newsletter articles
- Blue Thumb Workshops
- Partnership with Dakota SWCD







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## 2014 Achievements

- No illicit discharges reported in 2014
- No erosion and sediment control enforcement actions (sites 1 acre or more)
- Started MS4 program updates to meet new permit requirements







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## Total Maximum Daily Load

- Sunfish Lake Excess Nutrients TMDL
- Upper Mississippi River Bacteria TMDL
  - Reduce bacteria levels in the Mississippi River and it's tributaries
  - Sources
    - Illicit Discharges – Sanitary Cross Connections
    - Individual Septic Systems
    - Feedlots
    - Pet Waste
    - Wildlife
- South Metro Mississippi River TMDL
  - 25% Reduction




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## 2015 Objectives

- **Update MS4 Program to meet Permit Requirements**
  - Prioritize educational activities
  - Target illicit discharges
  - Develop enforcement response procedures
  - Develop standard operating procedures
  - Prioritize system maintenance
- **Increase public education**
  - Promote adoption of residential, commercial, and industrial BMPs
  - Illicit discharge detection and reporting


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## Questions or Comments?

*Additional information can be found at:*

- **MPCA MS4 Website:**  
[www.pca.state.mn.us/index.php/water/water-types-and-programs/stormwater/municipal-stormwater/ms4-general-permit-reissuance.html](http://www.pca.state.mn.us/index.php/water/water-types-and-programs/stormwater/municipal-stormwater/ms4-general-permit-reissuance.html)


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