

# MCM 5 – Post Construction BMP's



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# MCM 5 – Creative Change Game



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# Audience Participation:

- Do you know how many post BMP's are in your community?
- Do you know where they are?
- Do you have public BMP's?
- Do you know the location of the BMP's?

# Audience Participation:

- Have you recorded the locations?
- Have you cited a property owner “out of compliance” or NOV?
- Have you fined anyone?

# SWMP: MCM 5 - Post-Construction Runoff Control

## Why Is The Control of Post-Construction Runoff Necessary?

Post-construction stormwater management in areas undergoing **new development or redevelopment** is necessary because runoff from these areas has been shown to significantly affect receiving waterbodies. Many studies indicate that prior planning and design for the minimization of pollutants in post-construction stormwater discharges is the most **cost-effective approach** to stormwater quality management.



# SWMP: MCM 5 - Post-Construction Runoff Control

The Phase II Final Rule requires an operator of a regulated small MS4 to develop, implement, and enforce a program to reduce pollutants in post-construction runoff to their MS4 from new development and redevelopment projects that result in the land disturbance of greater than or equal to 1 acre. The small MS4 operator is required to:

- Develop and implement strategies which include a combination of **structural and/or non-structural best management practices (BMPs)**;
- Have an **ordinance** or other regulatory mechanism requiring the implementation of post-construction runoff controls to the extent allowable under State, Tribal or local law;
- Ensure adequate long-term **operation and maintenance of controls**;
- Determine the appropriate **best management practices** and **measurable goals** for this minimum control measure.



# SWMP: MCM 5 - Post-Construction Runoff Control

## What Is Considered a “Redevelopment” Project?

The Phase II Final Rule applies to “redevelopment” projects that alter the “footprint” of an existing site or building in such a way that there is a disturbance of **equal to or greater than 1 acre of land**. Redevelopment projects do not include such activities as exterior remodeling. Because redevelopment projects may have site constraints not found on new development sites, the Phase II Final Rule provides flexibility for implementing post-construction controls on redevelopment sites that consider these constraints.

# SWMP: MCM 5 - Post-Construction Runoff Control

## **Non-Structural BMPs:**

### **Planning Procedures:**

Runoff problems can be addressed efficiently with sound planning procedures.

Local master plans, comprehensive plans, and zoning ordinances can promote improved water quality in many ways, such as guiding the growth of a community away from sensitive areas to areas that can support it without compromising water quality.

### **Site-Based BMPs:**

These BMPs can include buffer strip and riparian zone preservation, minimization of disturbance and imperviousness, and maximization of open space.



**Stand Up!!!!:**

# Answer Time:

- Do you know how many post BMP's are in your community?
  - A. 0-5
  - B. 5-15
  - C. 15-50
  - D. none of the above

# Answer Time:

- Do you know where they are?
  - A. Yes
  - B. No
  - C. none of the above

# Answer Time:

- Do you have public BMP's?
  - A. Yes
  - B. No
  - C. Maybe?

# Answer Time:

- Do you know the location of the BMP's?
  - A. Yes
  - B. No
  - C. not exactly

# Audience Participation:

- Have you recorded the locations?
  - A. Yes
  - B. No
  - C. yes, but there was fire

# Audience Participation:

- Have you cited a property owner “out of compliance” or NOV?
  - A. Yes
  - B. No
  - C. Kinda

# Audience Participation:

- Have you fined anyone?
  - A. Yes
  - B. No
  - C. yes, but the M\_\_\_\_\_ used creative accounting methods



# Green Infrastructure Portfolio Standard – GIPS

- The Green Infrastructure Portfolio Standard (GIPS) is an adaptation to stormwater management of the “renewable energy portfolio standards” adopted by over 30 U.S. states. The goal of renewable energy portfolio standards is to gradually but deliberately increase the use of electricity from renewable sources over twenty or thirty years.

Center for Neighborhood Technology -  
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# Thank You



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