

NJDEP STORMWATER MANAGEMENT PROGRAM UPDATE

PRESENTED TO
NJ CLEAN WATER COUNCIL

PRESENTED BY:
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NJDEP, DIVISION OF WATER QUALITY

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TOPICS

- MS4 Stormwater Audit Program
- MS4 Tier A Permit
- Best Management Practices (BMP) Manual Update
- Nonstructural Point System Spreadsheet (NSPS)
- Stormwater “mini-rule” update
- Infiltration Basis Study
- Education and Outreach
- Green Infrastructure

MS4 AUDIT PROGRAM

- **Four BNPC-issued MS4 General Permits**
 - **Tier A Municipalities (456)**
 - (densely populated, along/near coast)
 - **Tier B Municipalities (101)**
 - (rural, non-coastal)
 - **Public Complex (71)**
 - (colleges, universities, hospitals, etc.)
 - **Highway Agency (33)**
 - (counties, NJDOT, SJTA, etc.)
- **Permits Expired 2/28/2014**

MS4 AUDIT PROGRAM

- Revisions to MS4 Annual Report
 - Reports due May 2nd
- All MS4 permittees subject to review
- Screening Tool
 - No further action
 - Focused review on specific conditions
 - Comprehensive, on-site audit
- Developing “drill down” questions

MS4 AUDIT PROGRAM

- **Focus: Compliance Assistance**
- **Help to Identify:**
 - Better Guidance Documents
 - Improved BMPs
 - Necessary Training
 - Improved Permit Conditions
 - Regulatory Changes

MS4 AUDIT PROGRAM – DEVELOPMENT

- Modified MS4 Annual Report Forms
- Work Group to get Feedback
- Trial Runs of the Process
- Training on Updated Report Forms

MS4 AUDIT - ROLL OUT

- 1QCY2014 - Revised AR Forms & Audit
- 2QCY2014 -Focus Group
- 2&3QCY2014 - Trial Runs
- 4QCY2014 - Training
- 5/2/2015 - Annual Reports due
- 3Q2015 - Auditing

MS4 TIER A PERMIT

- Re-new MS4 Tier A permit
- Other MS4 permits to follow
- Expired 2/28/2014
- Multi-program Team to Develop renewal permit

MS4 TIER A PERMIT

■ Outreach

- BNPC Staff, Land Use Staff, Compliance & Enforcement
- EPA
- Permittees/Municipalities
- Soil Conservation Districts
- Design and Municipal Engineers
- Mosquito Control Commission

■ Draft Permit 3rd Quarter 2014

BEST MANAGEMENT PRACTICES (BMP) GUIDANCE UPDATE

- **Update the BMP guidance**
 - Finalize 7 draft BMPs
 - Ensure consistent format
 - “Fact Sheets” for each BMP
 - Make it more “User Friendly”
- **Meeting with Outside Groups**

BMPs BEING FINALIZED

- Grass Swale
- Constructed Stormwater Wetlands
- Gravel Wetlands
- Vegetative Filters
- Sand Filters
- Wet Ponds
- Extended Detention Basins

NONSTRUCTURAL POINT SYSTEM SPREADSHEET (NSPS) UPDATE

- Used to evaluate “Maximum Extent Practicable” under rule at NJAC 7:8-5.3
- Nonstructure Stormwater Management Strategies
- “Protect” – “Minimize” – “Maximize”
- Court Ruling: NSPS and Guidance need to undergo Rulemaking Process
- NJDEP Currently Evaluating:
 - Modify Regulations, or
 - Evaluate NSPS, incorporate into Regulations

SWM RULE SHORT TERM AMENDMENTS

- **Manufactured Treatment Devices at N.J.A.C. 7:8-5.7(c)**
- **Water Quality Threshold at N.J.A.C. 7:8-5.5(a)**
- **Water Quantity Clarification at N.J.A.C. 7:8-5.6(a)6**

INFILTRATION BASIN STUDY

- NJDEP, NJ Dept. of Agriculture, and Builders Association
- Assessing BMPs that have an infiltration component
- First step: Identify Infiltration Basin Universe
 - BMPs approved after September 2009 and currently built.
 - Request to Soil Conservation Districts for Data Sheets
- Questions to be Addressed:
 - Designed per the BMP Manual
 - Built in accordance with the design
 - Are the Basins Functioning as Designed

EDUCATION AND OUTREACH

- Outreach
- Rutgers-Development of Training Modules
 - Municipal Engineers, Planning & Zoning Boards
 - Elected Officials
 - Stormwater Coordinators
- Sustainable New Jersey
 - Model Stormwater Ordinance Committee
 - Education and Outreach Committee
 - Public/Private Partnership Committee

GREEN INFRASTRUCTURE

- DEP website for draft permits and more information:
www.nj.gov/dep/dwq/cso.htm
- Share info and Leverage opportunities
- CSO Permits – Evaluate Use of GI
- Meeting with CSO towns/POTWs and local environmental groups
- Incentives-EIT funding
 - Principal Forgiveness (\$6M) for GI projects in CSO areas and Barnegat Bay



GREEN INFRASTRUCTURE in New Jersey



Governor Chris Christie • Lt. Governor Kim Guadagno

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Green Roof - Hopewell Township, Mercer County

Green Infrastructure can benefit businesses as well as the environment. Runoff occurs when there is more precipitation than the soil and vegetation can absorb. Water on parking areas can freeze and cause hazards to customers in parking lots. Permeable pavement can be used in parking lots instead of regular pavement because it is porous and will inhibit ponding and freezing. Cisterns or Rain barrels can also be used to collect rain water from the gutter for irrigation. Rain gardens can also collect and store water

from rooftop runoff, providing improved aesthetics as well as enhanced environmental benefits. Green roofs intercept some rainfall to prevent it becoming runoff, reducing the flow to the existing storm sewer system.

Useful Links

- [Raritan Basin Rain Barrel Rebate Program](#)
- [NJ Tree Foundation](#)
- [NJ Water Savers](#)
- [EPA Green Infrastructure](#)
- [EPA Green Funding Opportunities](#)
- [ASLA](#)

QUESTIONS?



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