

Municipal Stormwater Regulation Program October 2014 Update

NJ Department of Environmental Protection
Bureau of Nonpoint Pollution Control
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Municipal Stormwater Regulation Program

- MSRP Basics
- Annual Reporting
- Annual Results



Regulatory & Voluntary Approaches



- Voluntary Programs
 - Grants
 - Education
- Regulatory Programs
 - Stormwater Permitting Programs
 - Stormwater Management
 - NJ Fertilizer Law

MS4s

➤ What is a MS4?

- Municipal Separate Storm Sewer System
- Stormwater conveyance owned by public entities
- Designed to convey or collect stormwater only



MS4s

MS4 is a conveyance or system of conveyances that ultimately discharge to waters of the State and

- Is designed or used to collect or convey stormwater (including roads with or without catch basins; curbs; gutters; ditches; manmade channels; or storm drains)
- Is not a combined sewer



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Municipal Stormwater Permits

- In 2004, NJDEP issued four MS4 permits-
 - Tier A Municipalities (456),
 - Urban & coastal
 - Tier B Municipalities (101),
 - Rural & non-coastal
 - Public Complexes (71)
 - Universities, hospitals
 - Highway Agencies (33)
 - Counties, NJDOT, SJTA
- Renewed in 2009



Municipal Stormwater Permits

- Stormwater Quality Issues related to new development, redevelopment and existing development.
 - NJPDES Rules (N.J.A.C. 7:14A) comply with USEPA's Phase II stormwater rules by incorporating USEPA's Six Minimum Standards as Statewide Basic Requirements (SBRs)
 - NJ Stormwater Regulations (N.J.A.C. 7:8)

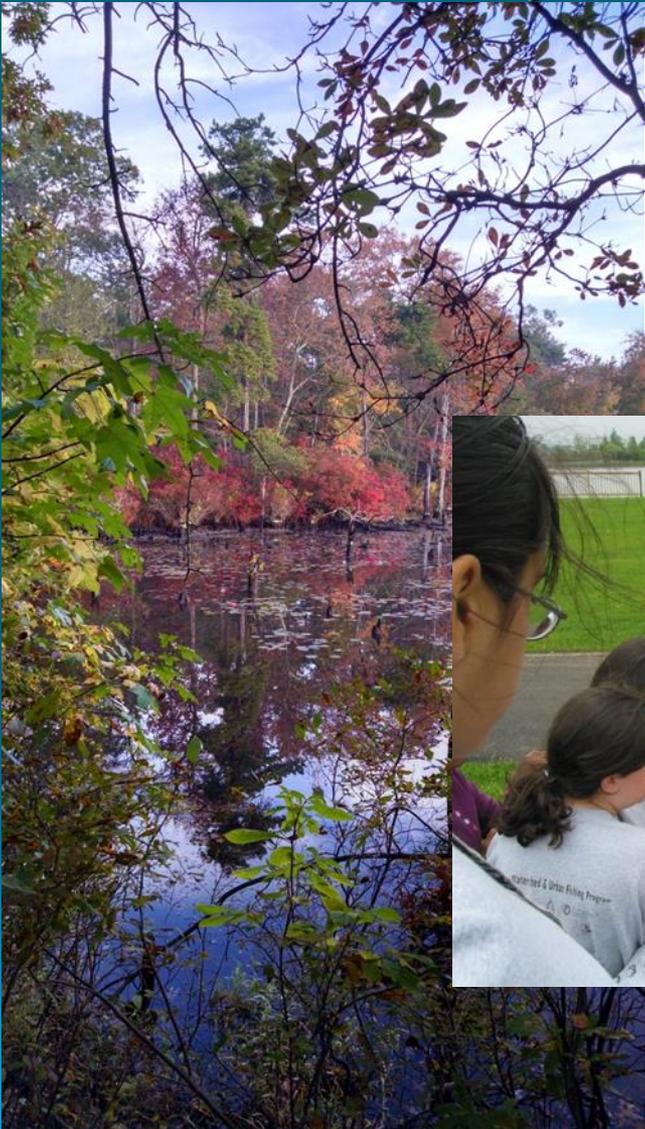
Municipal Stormwater Permits

- Stormwater Quality Issues related to new development, redevelopment and existing development including good housekeeping & pollution prevention.
 - Municipalities are the first line of defense for stormwater protection.
 - Your town. Your home.
 - Your community.



Why do all this?

- Healthy water
- Healthy people



Tier A Municipal Stormwater Permit

MS4 Stormwater Program

Stormwater Pollution Prevention Plan (SPPP)

Additional Measures (AMs)
Department shall provide notice of the adoption of an AM to the permittee

Statewide Basic Requirements (SBRs)

Optional Measures (OMs)
Voluntary measures that prevent or reduce stormwater pollution

Post Construction Stormwater Management in New Development and Redevelopment

Local Public Education

Improper Disposal of Waste

Solids and Floatables Controls

Maintenance Yard Operations

Employee Training

Public Notice

Municipal Stormwater Permits

- Stormwater Pollution Prevention Plan



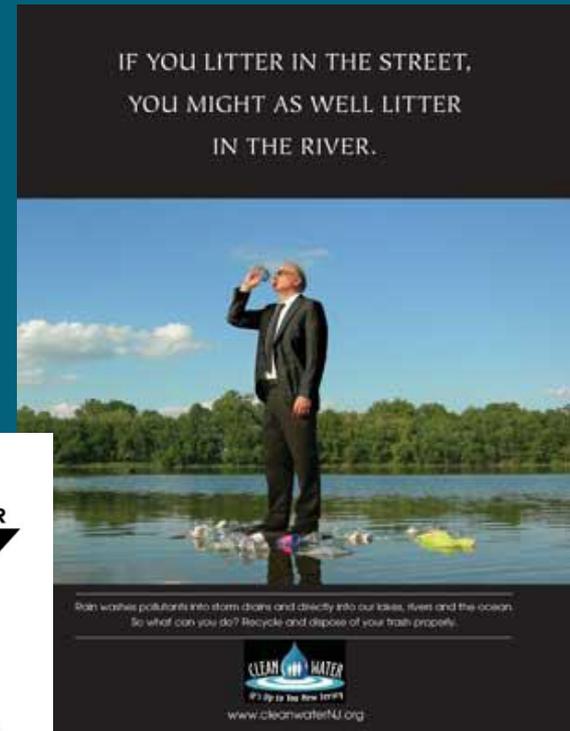
Public Participation and Involvement

- Public Participation and Involvement Including Public Notice
 - Open Public Meetings Act
 - SPPP & MSWMP available to public
 - Ordinances and plans on website
 - Encourage public participation

Statewide Basic Requirements

Public Education and Outreach

- Local Public Education and Outreach



Public Education and Outreach

- Under draft Tier A Permit
- Increased the variety of activities:
 - More web, email and media options
 - Added stormwater facility and green infrastructure signage
 - More volunteer, community and youth options
 - Added watershed collaboration



Statewide Basic Requirements

Construction Site Runoff

- Construction Site Stormwater Runoff
- Construction Activity Stormwater General Permit (5G3)
- Soil Conservation Districts



Post-Construction Stormwater Measures & Management

- Post Construction Stormwater Management
 - To address stormwater management from new development and redevelopment
 - Ensure compliance with N.J.A.C. 7:8



Post-Construction Stormwater Management

- Municipal Stormwater Management Plan -- Strategy, structure and process
- Adopt & Enforce Municipal Stormwater Ordinance
- Operation and Maintenance of new and existing stormwater management measures
- Review of major development for compliance

Statewide Basic Requirements

Pollution Prevention & Good Housekeeping



**Public Works and
Maintenance Yards**

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Pollution Prevention & Good Housekeeping

- Improper Disposal of Waste
- Adopt & Enforce Ordinances for
 - Pet waste
 - Litter Control
 - Improper Disposal of Waste
 - Wildlife Feeding
 - Containerized Yard Waste
 - Yard Waste Collection
 - Illicit Connection



Pollution Prevention & Good Housekeeping

➤ Stormwater Facilities Maintenance:

- Ensure long-term maintenance of all BMPs own and operated
- Must be maintained as designed
- Must have maintenance plan



Pollution Prevention & Good Housekeeping

- **Solids and Floatables Control**
- *(Community-wide Pollution Prevention)*
- Sweeping of Streets
- Storm Drain Inlet Cleaning & Inspection
- Storm Drain Inlet Retrofits
- Stormwater Facility Maintenance

Pollution Prevention & Good Housekeeping

- **When to retrofit?**
- Where inlet is in direct contact with repaving or repairing of roadway surface.
- 2" opening maximum



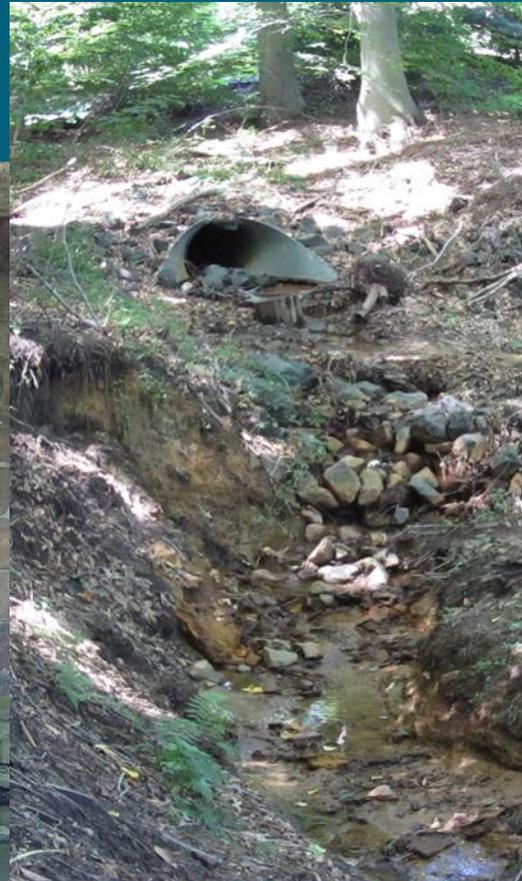
Pollution Prevention & Good Housekeeping

- Employee Training
 - Waste Disposal
 - Control Measures
 - Illicit Connection
 - Street Sweeping
 - Stormwater Facility Maintenance
 - Outfall Pipe Stream Scouring
 - Maintenance Yard Operations
 - Equipment & Vehicle Washing

Statewide Basic Requirements

MS4 Outfall Pipe Mapping and Illicit Discharge Detection and Elimination

- Outfall Pipe Mapping
- Ongoing Inspection
- Response to Complaints



Outfall Pipe Stream Scouring

- Maintain a stormwater outfall pipe stream scouring program
- Must examine outfalls for scouring
- Must remediate if scouring is found
- Prioritize projects



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Municipal Stormwater Permits

➤ Additional Measures

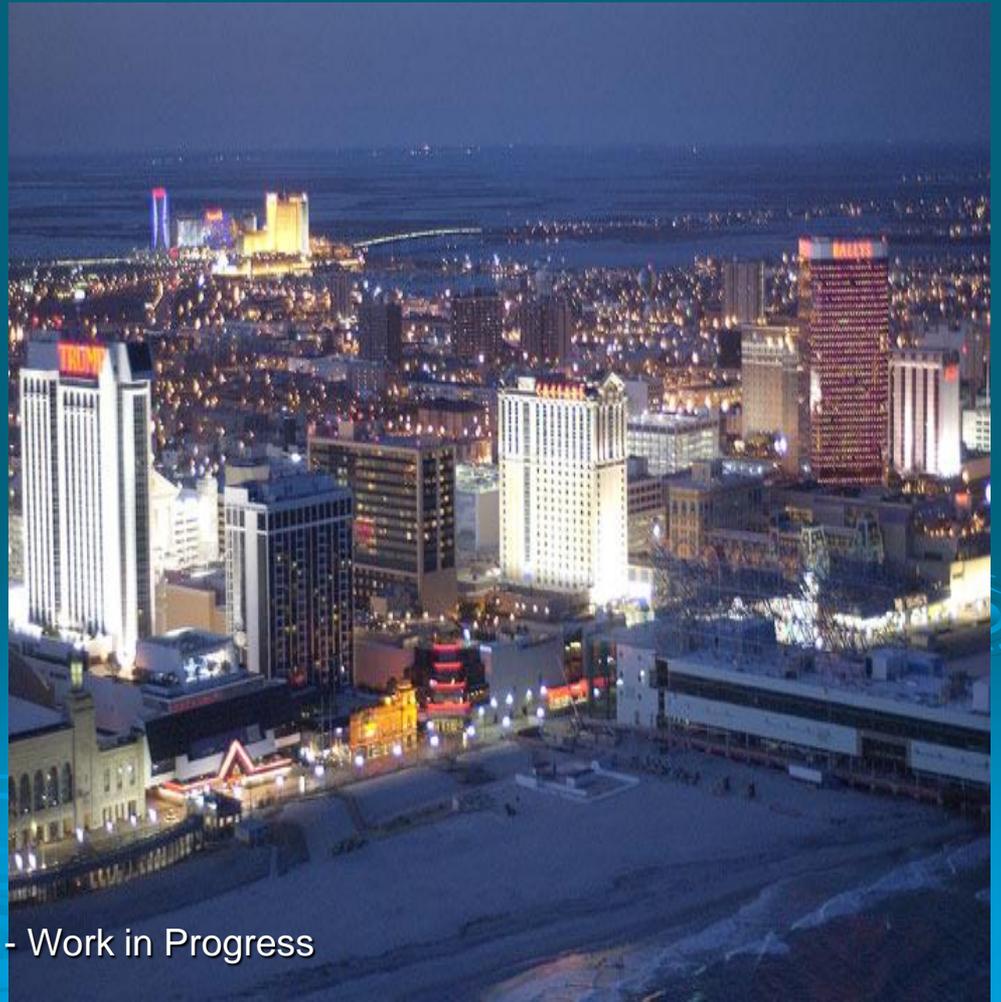
- Based on Water Quality Management Plans, Regional Stormwater Plans or TMDLs.
- Not optional

➤ Optional Measures

- Optional measures to prevent or reduce water pollution
 - Wildlife management
 - Fertilizer & Pesticide ordinances
 - Retrofit of SWMF
 - Road De-Icing
 - Adoption of Abandoned SWMFs
 - Use of Native Vegetation

MS4 Annual Reporting

- Annual Report and Certification (AR&C)
- New required Supplemental Form



MS4 Annual Report

➤ NJ Regulatory Service Portal

- Entity Stormwater Coordinator
- <http://www.njdeponline.com/>

first then link to <http://www.nj.gov>

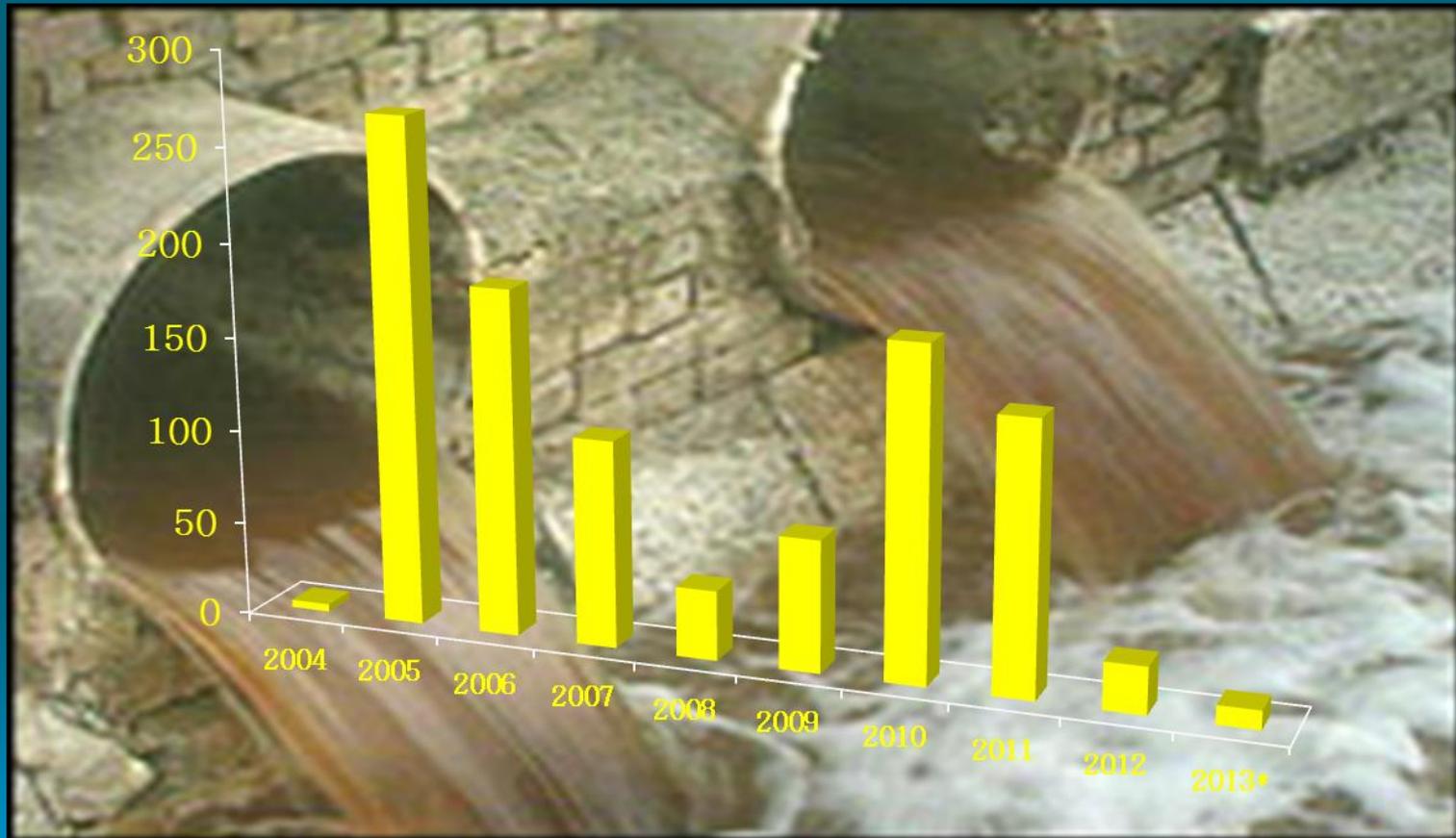
➤ Tutorial

- http://www.nj.gov/dep/dwq/msrp_home.htm

Why the Annual Reports?

- ❑ See how effective program is
- ❑ Helps us find out where additional outreach is needed
- ❑ NJDEP needs to report to EPA
- ❑ Helps municipalities focus on their own town's problem areas

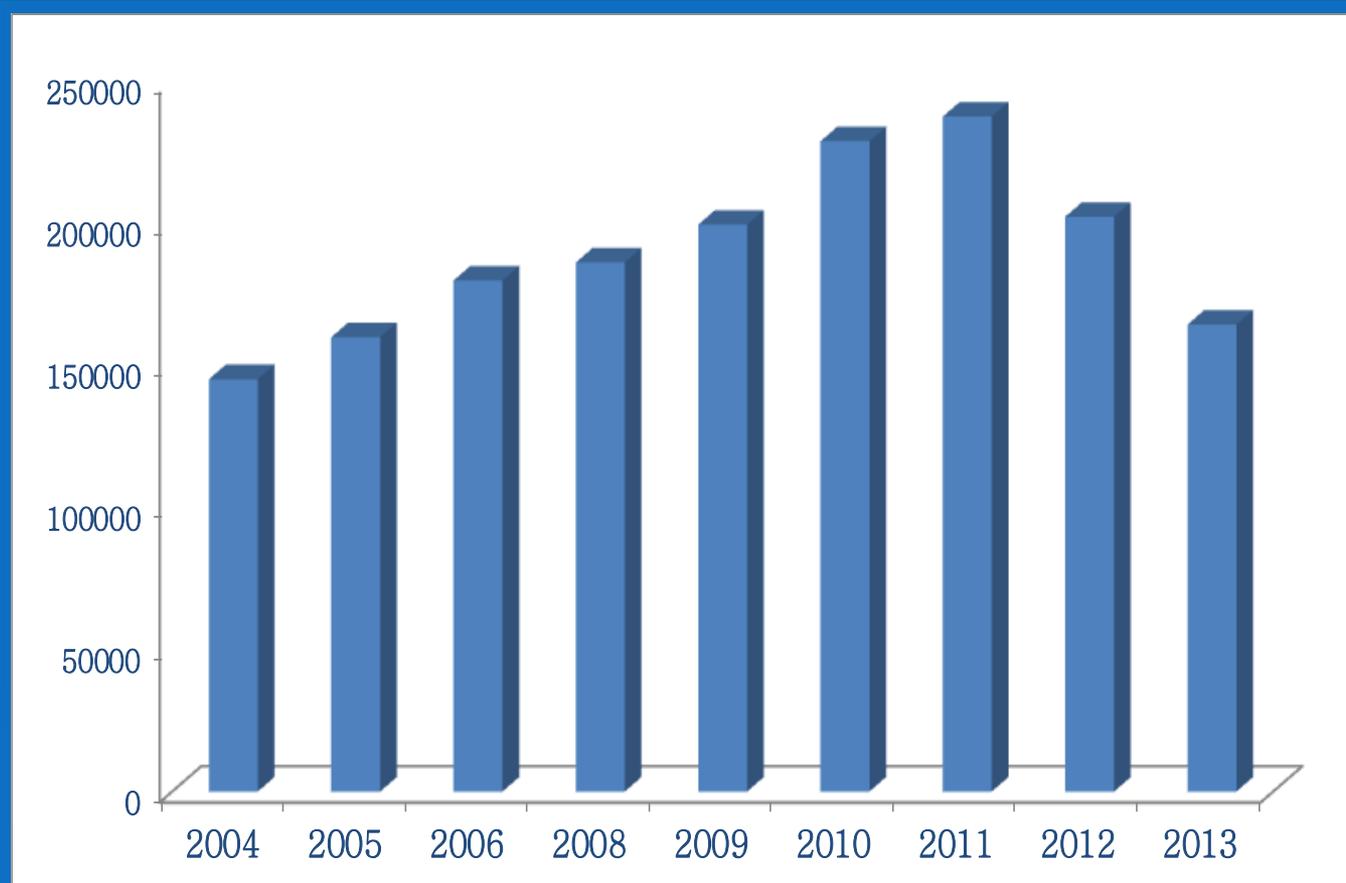
Illicit Connections Eliminated 2004-Present



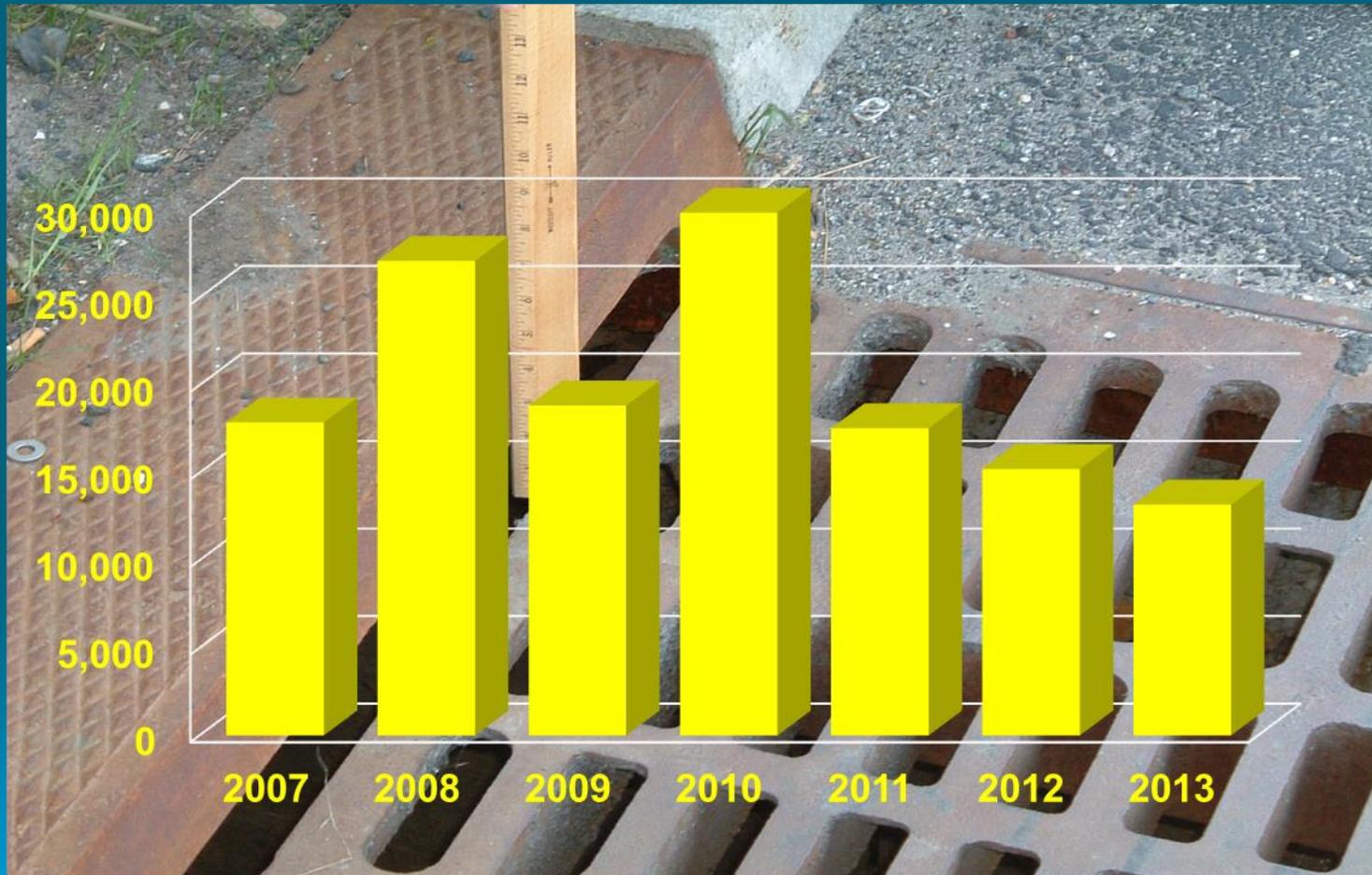
Miles Swept



Materials Removed From Sweeping in Tons



Retrofitted Stormdrains

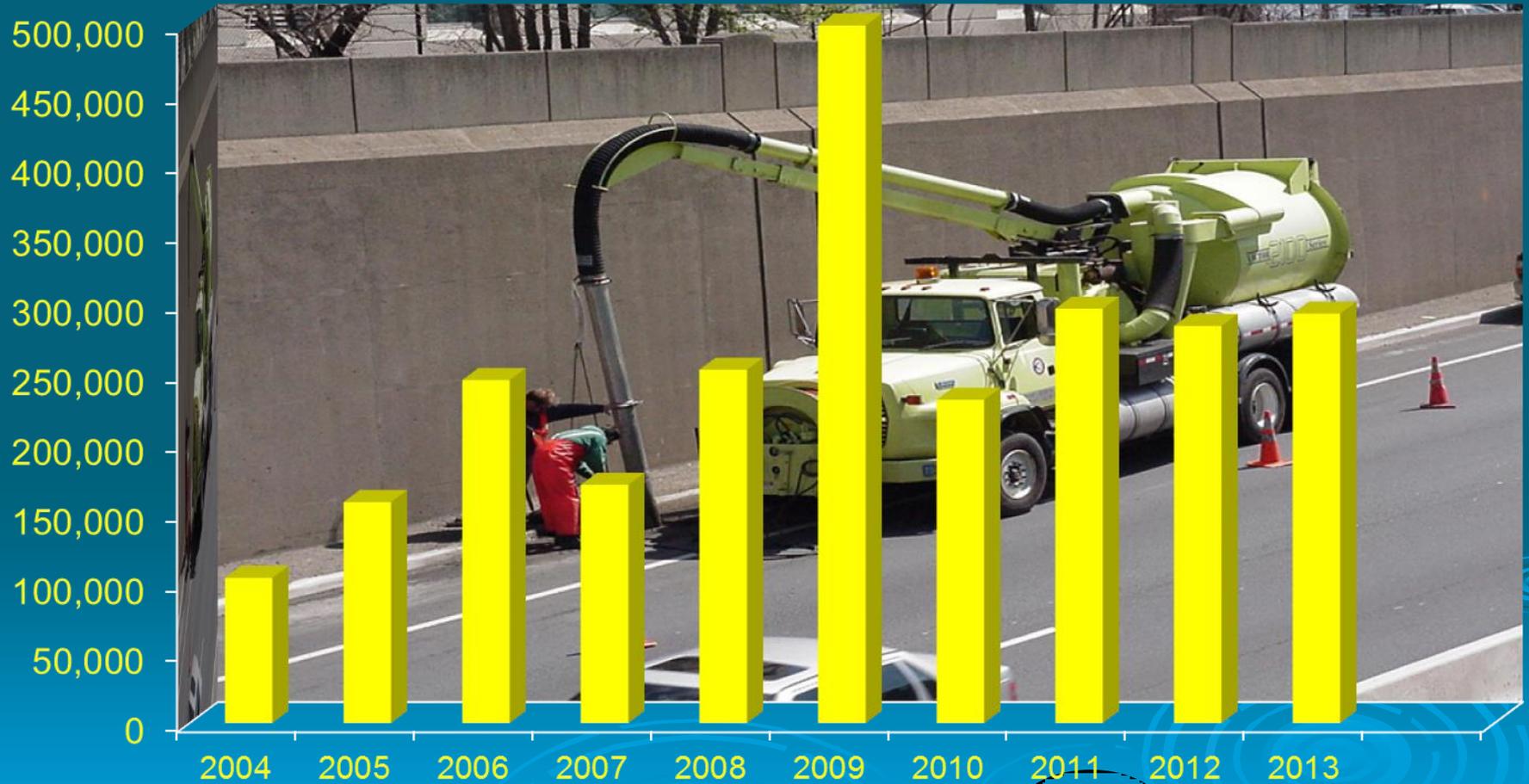


Stormdrain Inlets Cleaned

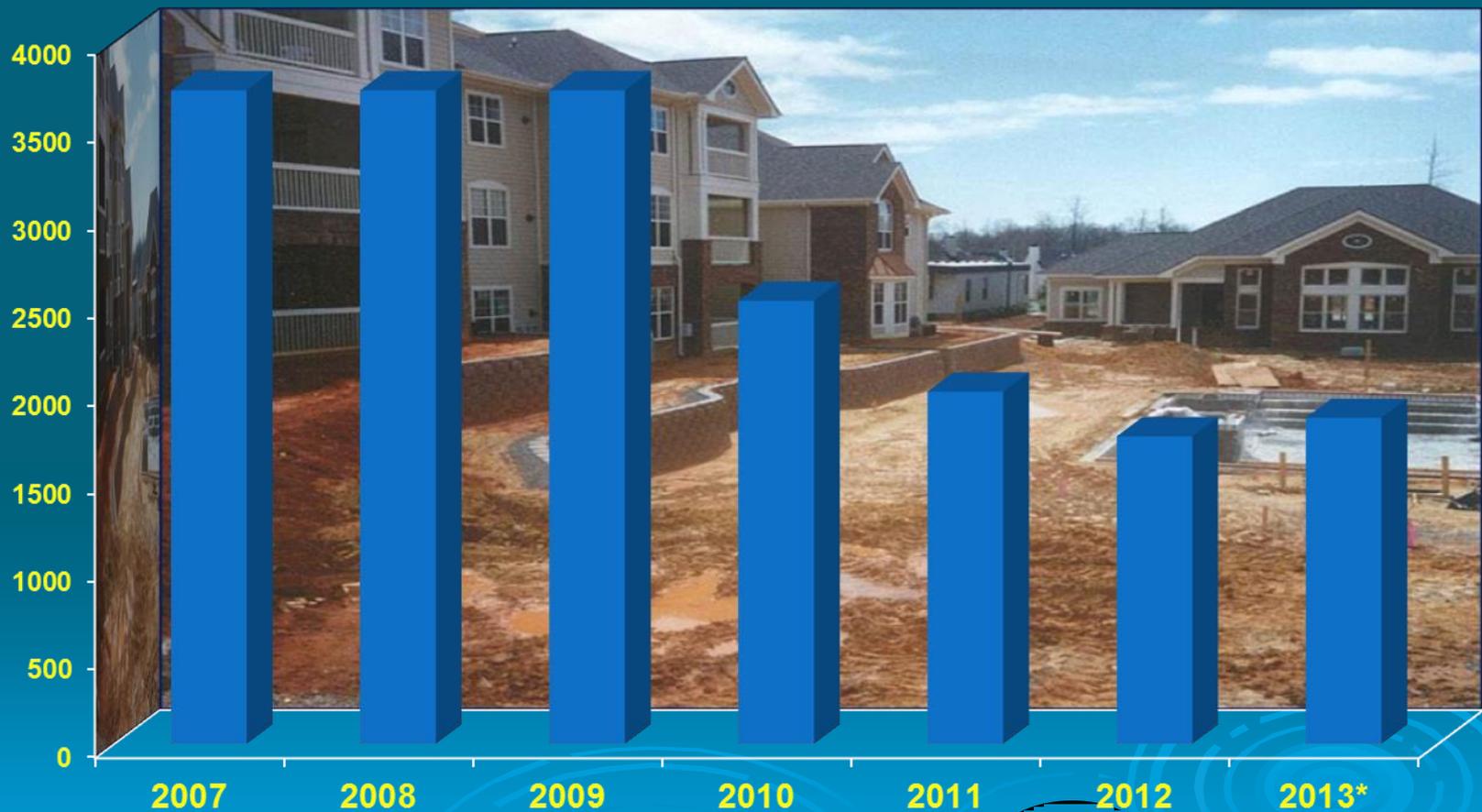


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Materials Removed from Stormdrains

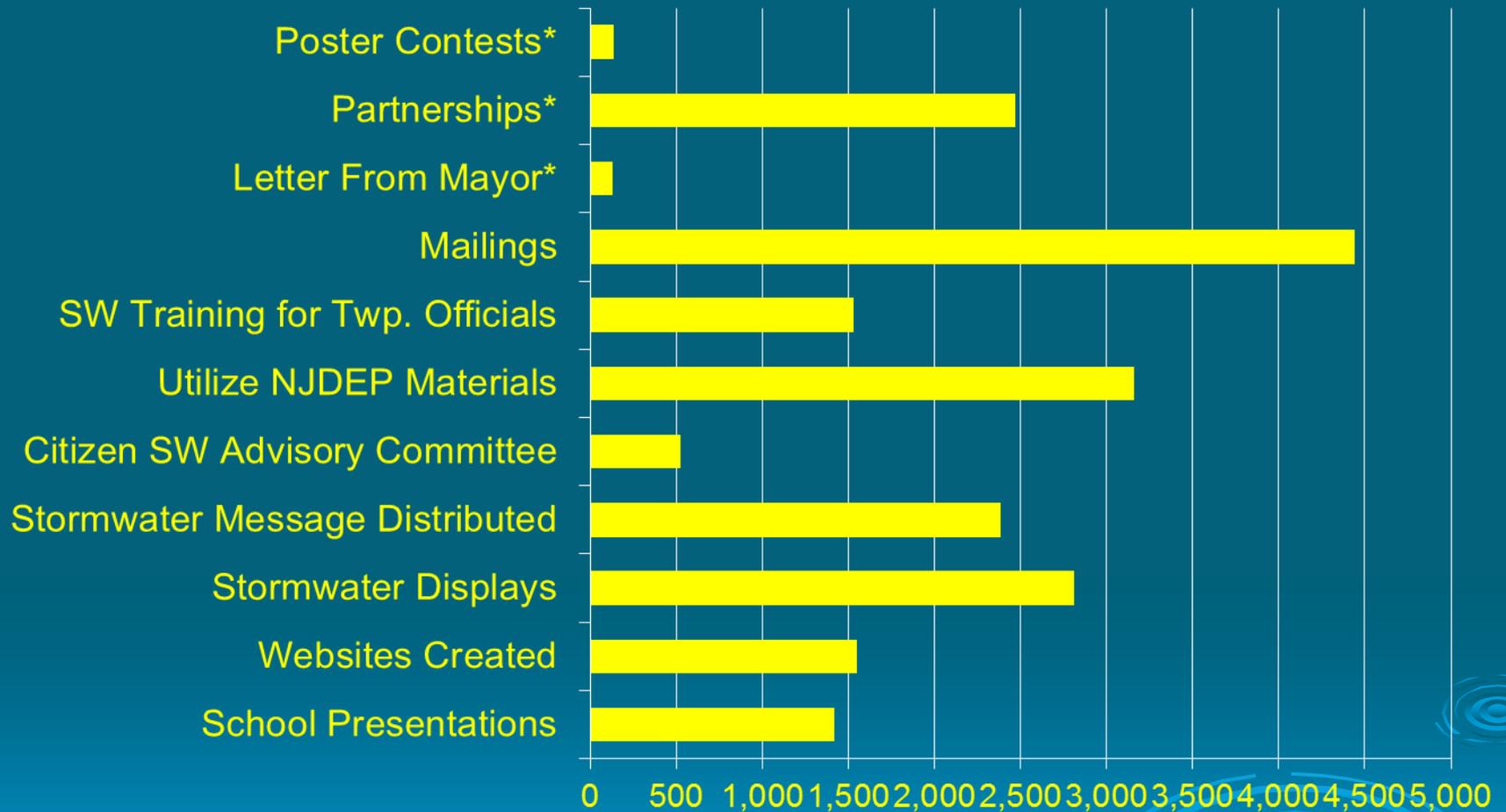


Post Construction Projects Approved



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Local Public Education



Questions?

New Jersey Department of Environmental Protection

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