

CT Stormwater Program

When it rains . . .

It's pool



Nonpoint Source Pollution

EPA's NURP study found polluted runoff is the
#1 Water Quality Problem in the U.S.

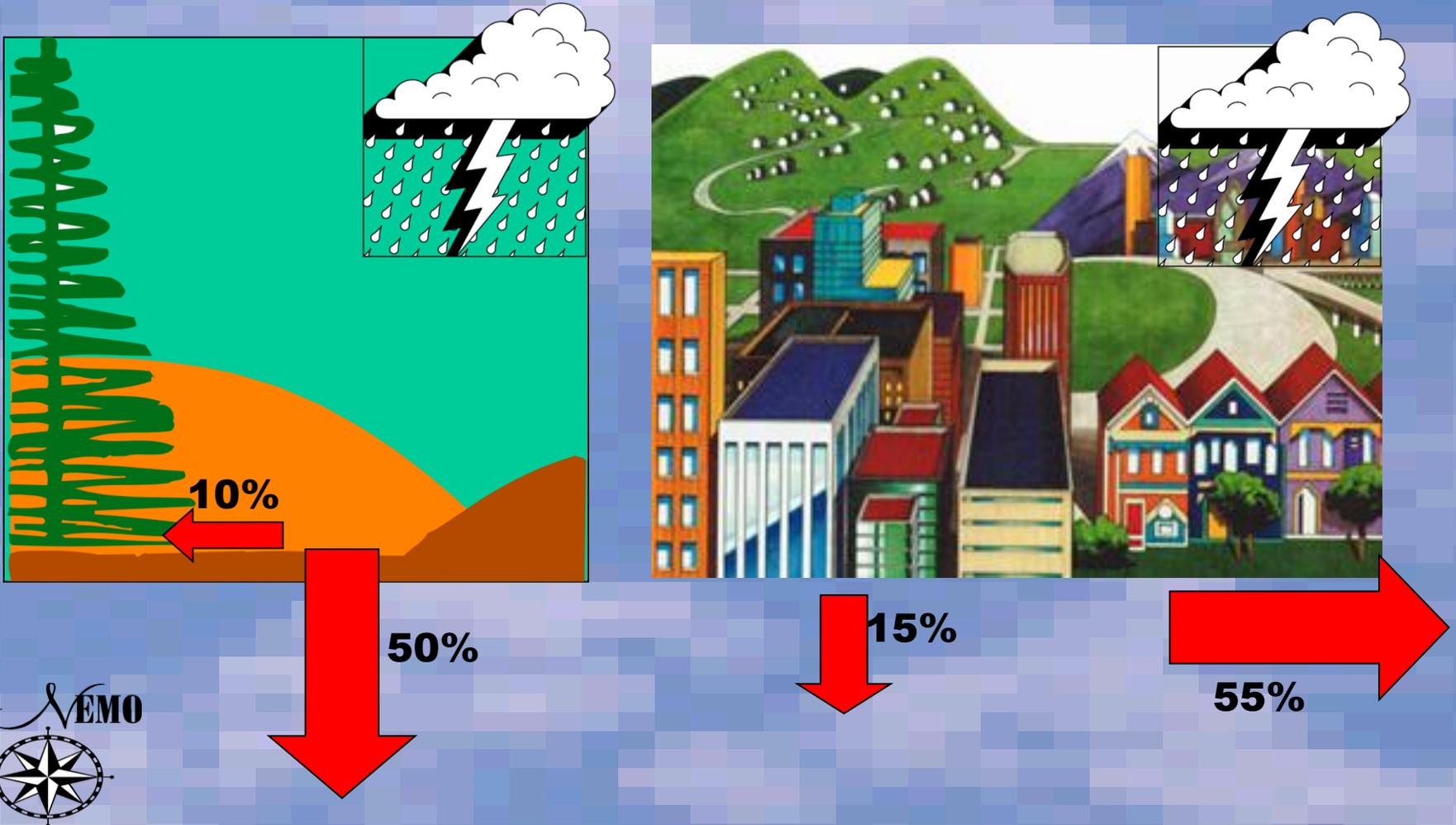


CT Stormwater Program



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Development Impacts on the Water Cycle



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Decreased ground water levels

Decreased quality

- Nutrients
- Metals
- Petroleum Products
- Sediment
- Pathogens
- Organic Materials
- Toxic Contaminants
- Deicing Constituents
- Debris
- Thermal Stress

Increased quantity



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Municipal Separate Storm Sewer Systems (MS4)



1990 Phase I Regs = Stamford
Ind. Permit



1999 Phase II Regs = 113 Towns
covered by MS4 General Permit.

DEEP will issue permits to DOT and
gov. institutions (hospitals)

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Small MS4 Permit Requirements



Must develop plan/program to reduce discharge of pollutants and protect water quality



Program *Must* include Six Minimum Control Measures



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Small MS4 Permit Requirements



Six Minimum Control Measures:

1



Public education and outreach

- citizens
- businesses/chamber
- vendors/ contractors

2



Public participation

- civic organizations
- environmental groups

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Small MS4 Permit Requirements



Six Minimum Control Measures:

3



Illicit discharge detect/eliminate

- map outfalls
- screen outfalls (dry weather)
- illicit disc. detection & elimination

4



Construction site runoff control

- existing E&S regs & Guidelines

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Small MS4 Permit Requirements



Six Minimum Control Measures:

5



Post-construction SW mgmt

- must develop ordinance
- low impact development
- ensure O&M

6



Poll. prev./good hskeeping

- sweeping/CB cleaning
- employee training
- evaluate for upgrade/repair

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Small MS4 Permit Requirements



Annual Report



Due January 1 each year



“Progress report” on SMP



Alterations to SMP



Fee

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Sampling Requirements



Wet Weather Outfall Sampling



Sample outfalls



Residential, Commercial & Industrial areas (or alternate)



Sample within first 6 hours



12 parameters plus rainfall pH

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Construction General Permit



Covers >1 acre Disturbed (1-5 ac sites covered by QLP)



>5 acres disturbed - submits registration



>10 acres disturbed - submits registration & SWPCP



30 day wait - no formal approval

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Proposed Modifications



Major changes to permit



Low Impact Dev. (LID)/ Runoff Reduc.
Measures



Public availability & comment



Turbidity monitoring of runoff



Two tracks for technical plan review

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District Review Process



Review Locally Exempt Projects



1+ acres – Plan and Registration reviewed by DEEP



Timeframe



60 to 90 days (depending on site size and complexity) prior to site disturbance

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District Review Process



Review Locally Approvable Projects



>5 acres – Plan review and certification by District or 3rd party professional



Timeframe



Must receive Plan certification before registration with DEEP



60 days prior to site disturbance

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Proposed Modifications

Construction Standards



Implement erosion and sediment controls and stabilization practices (to control the migration of sediment)



Install structural measures to remove sediment (sediment traps, basins, etc.)



Control dewatering wastewaters to prevent discoloration



Maintain all controls/ measures as necessary to ensure effectiveness of measure

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Proposed Modifications

Post-Const. Performance Standards



Undeveloped sites, impaired waters, high quality waters

- 1" retention (Water Quality Volume in SQM)
- OR retain max feasible & treat to WQV



Redeveloped sites

- 1/2" retention
- OR retain max feasible, and treat to WQV

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Other Permits to Consider

1. General Permit for the Discharge of Photographic Wastewaters (xrays)
2. General Permit for the Discharge of Domestic Sewage (for combined sanitary sewage and lab wastewaters)
2. General Permit for the Discharge of Vehicle Maintenance Wastewater (fleet ops)
3. Miscellaneous Discharges of Sewer Compatible Wastewater (for segregated lab wastewaters)

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DEEP

Water Permitting &
Enforcement Division

860-424-3018