



Reining in the Rain:

Watershed-Friendly “Low Impact Development” Site Design & Permeable Pavements for Stormwater Management

Workshop in Newport Beach

Newport Beach Library

Tuesday, April 22, 2008

9:00 am – 4:00 pm

Sponsored by the California Coastal Commission; USC Sea Grant; and Center for Water & Land Use at UC Davis Extension; with support from the Orange County Stormwater Program and the City of Newport Beach.

AGENDA

- 8:00 - 9:00 am** *Check-in (coffee and pastries provided)*
- 9:00 - 9:10** **Welcome**
 - *Robert Stein, City of Newport Beach*
- 9:10 - 9:30** **Resource-Based Land Use Planning**
 The big picture: Linking land use to water quality, and how LID can help improve the health of our watersheds.
 - *Jack Gregg, California Coastal Commission, Water Quality Unit*
- 9:30 - 10:15** **Low Impact Development – the How's and the Why's**
 Implementation of soil-based LID systems in stormwater management, and effect on flooding, in-stream erosion, maintaining the water balance, and pollutant removal.
 - *Timothy Lawrence, Center for Water and Land Use, UC Davis Extension*
- 10:15 - 10:30** *Break (15 min)*
- 10:30 - 11:15** **Low Impact Development without Infiltration**
 LID measures, and associated design considerations, that can be implemented where site constraints prevent infiltration.
 - *Daniel Apt, RBF Consulting*
- 11:15 - 12:00** **LID Regulations for California Municipal Stormwater Programs**
 The evolution of land development requirements in CA MS4 Permits and how LID has become a central component in recent and proposed permits.
 - *Matt Yeager, San Bernardino County Flood Control District*
- 12:00 - 12:45** *Lunch (provided)*

12:45 - 1:30

CPR (Conservation, Permeability, Retention): Gardening for Cleaner Waves and Coasts

Surfrider Foundation's Ocean Friendly Gardens Campaign.
- Douglas Kent, Surfrider Foundation



Permeable Pavements: Technical information on permeable pavement design, installation, applications, performance, pollutant removal, and maintenance.

1:30 - 2:15

How to Use Permeable Pavements in All Soil Types

The fundamentals of using permeable pavements to implement LID cost-effectively, with details on performing hydrological design for any type of soil situation – even clay soils.
- Andy Youngs, California Nevada Cement Association

2:15 - 2:30

Break (15 min)

2:30 - 3:00

Porous Asphalt Pavements

- Brandon Milar, California Asphalt Pavement Association

3:00- 3:30

Permeable Interlocking Concrete Pavements

- David R. Smith, Interlocking Concrete Pavement Institute (presented by Andy Youngs)

3:30 - 4:00

Pervious Concrete Pavements

- Andy Youngs, California Nevada Cement Association

4:00

Wrap-Up and Evaluations



Hand-outs and presentations will be available online:

http://www.coastal.ca.gov/nps/lid_workshops.html

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