

Improving Compliance with Low Impact Development (LID) and Other Requirements of the New MS4 Stormwater Permits in New England

U.S. Environmental Protection Agency (EPA)

There is a growing awareness of the benefits of using LID techniques to promote groundwater recharge, improve urban environments, and prevent water pollution. The U.S. Environmental Protection Agency (EPA) will soon issue new Phase II MS4 Stormwater Permits in New Hampshire and Massachusetts that are designed to increase implementation of LID practices and improve the effectiveness of the municipal stormwater programs. Areas of significant change are likely to include:

- New requirements for dischargers to impaired water bodies;
- Annual tracking of directly connected impervious cover;
- Inventory of stormwater retrofit potential for public facilities;
- Updates to local development codes and ordinances to improve LID and environmental site design;
- Increased illicit discharge detection and elimination (IDDE) requirements; and
- New monitoring requirements.

The Horsley Witten Group, Inc. (HW) is developing technical guidance and conducting a series of training clinics to provide direct, hands-on assistance to New England municipal staff on the requirements of the new Phase II permits, as well as to practitioners on LID practice installation and maintenance.

HW is currently working with three communities in the Upper Charles River Watershed to evaluate the cost of complying with the new permit, particularly related to meeting watershed-specific phosphorus reduction targets. This effort involves investigating proposed requirements for retrofitting of private properties with more than two acres of impervious cover, as well as funding mechanisms (i.e., stormwater utilities).

Client Contact: Marge Miranda
Environmental Protection Specialist
EPA - New England
617-918-1825

HW Contact:
Richard A. Claytor, P.E.

www.horsleywitten.com

- Civil & Environmental Engineering
- Wetlands Management
- Coastal Management
- Hydrogeology & Water Supply
- Stormwater Management
- Wastewater Management
- Site Assessment & Remediation
- Land Use Planning
- Education & Outreach



Sandwich, MA

90 Route 6A
Sandwich, MA 02563
tel: 508-833-6600

Newburyport, MA

30 Green Street
Newburyport, MA 01950
tel: 978-499-0601

Providence, RI

370 Ives Street
Providence, RI 02906
tel: 401-272-1717

9032_10097-2