



April 13, 2016 SWS Virtual Expo Spring Edition Agenda*

(Schedule reflects Eastern Time Zone)

10:00 a.m. – 12 p.m. Eastern: **Virtual Expo opens — Networking opportunities; visit with exhibitors; view on-demand PDH webinars**

12:00 p.m. – 1:00 p.m.: **Opening keynote, including Q&A: Inspections and Maintenance of BMPs: Old Problems, New Solutions**

Attendees earn 1 PDH

Presenters: Fernando Pasquel, Senior Vice President, National Director, Stormwater & Watershed Management, **Arcadis**; Mark Van Auken, PE, Practice Leader, Stormwater, **Arcadis** Thousands of stormwater BMPs (conventional and green infrastructure) have been built throughout the nation and most NPDES MS4 permits require that they be maintained. Maintenance programs vary widely, but we have learned that stormwater BMPs that are not maintained are likely to fail. A well-structured inspection and maintenance program will reduce life-cycle costs and will provide valuable information to comply with MS4 permit requirements as well as improve future design standards.

This presentation will help personnel responsible for designing, permitting, and maintaining stormwater BMPs to learn how BMPs work so inspections and maintenance programs can be tailored to specific community needs. Lessons learned on why BMPs need to be maintained will be used to illustrate best practices as well as design considerations that impact maintenance. Elements of maintenance program, including routine and non-routine elements, will be presented using case studies.

1:00 p.m. - 3:00 p.m.: **Networking opportunities; visit with exhibitors; view on-demand PDH webinars**

3:00 p.m. - 4:00 p.m. **Afternoon keynote, including Q&A. MS4 Permit Conditions to meet TMDL Waste Load Allocations (WLAs)**

Attendees earn 1 PDH

Presenter: Richard Haimann, P.E., D.WRE, CPSWQ, CPESC, Technical Leader, **HDR** TMDLs have been adopted for many impaired waters. The WLAs include MS4s. A TMDL is not a permit requirement. When MS4 NPDES permits are renewed, the permit conditions are revised to include requirements expected to achieve WLAs. This talk presents the different approaches used for MS4 permit conditions to achieve WLAs.

4:00 p.m. - 5:00 p.m.: **Networking opportunities — visit with exhibitors; view on-demand webinars**

**Live Event ends at 5 p.m. Eastern on April 13. Archived version remains online until July 12. All webinars can be viewed on the archived version.*